

24+
Years in Business

30+
Countries Served

5000+
Happy Customers



**One-stop
IPC, Panel PC and HMI
Design and Manufacturing**

Our Facilities and Capabilities

- In house SMTs, precision machinery and system assembly parts
- 480+ employees and near \$100M annual revenue
- Fast turnaround for small batch customization HMI's
- Local service and support for the US and European markets
- Strong R&D team for both hardware design and software supports
- Readily available inventory for small qty standard product orders
- Short OEM/ODM design cycles: 30~40 days for a new design

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Industrial Computer Product Selection Manual

- COMLAC INSIDE
- INDUSTRIAL OPERATION PANEL
- INDUSTRIAL PANEL PC
- INDUSTRIAL MONITOR
- EMBEDDED INDUSTRIAL COMPUTER
- CONTROL CABINET AUTOMATION PC





One-stop IPC, Panel PC and HMI Design and Manufacturing

Nodka is a top-tier industrial computer manufacturer specializing in the design and manufacture of panel PCs, HMI, industrial PCs and automation computers tailored for the industrial automation, robotics, machine vision, smart manufacturing, self-service, edge IoT and many other industrial computer markets. Nodka was established in Shanghai in 2001 and has since grown to include offices in the Netherlands, the United States and Taiwan, serving products and services to over 5,000 customers in 30+ countries. We offer OEM/ODM services, customizable and compatible solutions that ensure seamless integration with existing and future technologies, backed by our global support.

24+

Years in Business

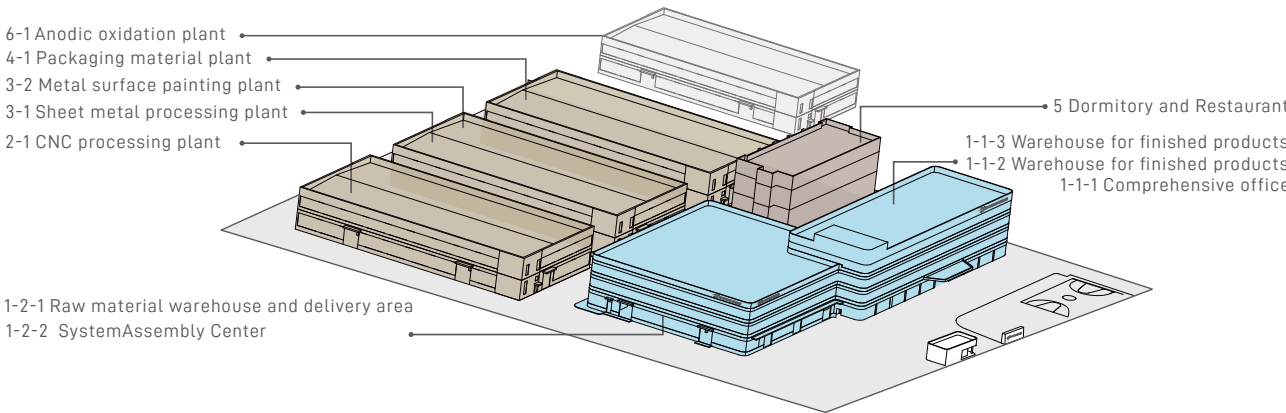
50000+

m²
Factory Area

5000+

Happy Customers

Guangde manufacturing center layout



SMT Center

Pick-and-Place Machine, DIP, PCBA conformal coating, AOI, one stop service for SMT manufacturing.



System Assembly Center

Scalable, flexible and one-stop production model to meet mass production, small batch orders requirement.





Anodizing plant

With capabilities in different surface treatment technology, quick response for customer-specific requests.



Metal Surface treatment

Spray coating, Printing, Anodizing, Laser carving technology.

CNC processing plant

24/7 production mode, equipped with multi-axis and efficient machining capabilities.



Metal shell processing

50 units equipment involve Laser cutting, Stamping, Bending, 3/4 axis Machine



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Industry Leading Advantages of NODKA Original Systems & Services

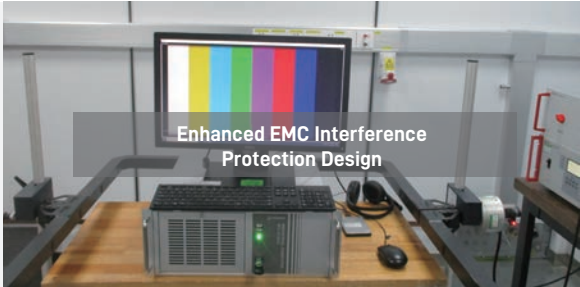


The ATX industrial motherboard adopts an innovative design that uses SO-DIMM memory with locking slots to prevent loosening or detachment caused by vibration or accidental drops. The horizontal installation layout minimizes dust accumulation in the memory slots and ensures smoother airflow for CPU heat dissipation, effectively addressing common issues faced in various industrial applications.



The motherboard surface is treated with a conformal coating to protect against conductive, corrosive, and high-humidity dust environments. Key connectors are designed with dust-proof sealing covers, ensuring long-term stable operation of the industrial computer under complex and harsh conditions.

The EMC anti-interference design exceeds the Level 3 industrial standard, significantly reducing sporadic failures such as system crashes, unexpected reboots, blue screens, and communication packet loss caused by complex electrical environments. Additionally, the company is equipped with professional EMC engineers who can assist customers in troubleshooting and resolving on-site issues.



Due to complex configurations, tight delivery schedules, and frequent order changes, industrial PCs are often assembled by distributors rather than shipped as complete systems by OEMs. This approach introduces third-party components outside the original quality system, creating risks such as poor compatibility, inconsistent quality, and limited traceability. Without standardized assembly processes and professional testing, product reliability cannot be fully ensured, leading to potential accountability gaps.

Industrial Computer



ATX Industrial Motherboard



NK-7106

6/7/8/9 th processor Q170/C236 Chipset ATX Motherboard



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor,TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA,HDMI,DP Tri-display
- 2×Giga-bit Ethernet
- 8×USB3.0 ports, 5×USB2.0 ports
- 2×RS232/485, 4×RS232
- 4×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 2×PCIEX16(1x16 or 2x8 link), 2×PCIEX4, 1×PCIEX4(X1link), 2×PCI Slots



NK-7107

6/7/8/9 th processor H110 Chipset ATX Motherboard



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor,TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot up to 64GB
- Support VGA,HDMI,DP Dual-display
- 2×Giga-bit Ethernet,
- 4×USB3.0 ports, 6 ×USB2.0 ports
- 2×RS232/485, 4×RS232
- 3×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIEX16, 1×PCIEX4(x2link), 2×PCIEX4(x1link), 3×PCI slots



NK-7205

10/11th processor H420E Chipset ATX Motherboard



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933/3200MHz SO-DIMM slot up to 64GB
- Support VGA,HDMI,DP Dual-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 4×USB2.0 ports
- 2×RS232/485, 4×RS232
- 3×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIEX16, 3×PCIEX4(x1link), 3×PCI slots



NK-7208

11th processor Q470/Q470E Chipset ATX Motherboard



- Intel® 11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933/3200MHz SO-DIMM slot, up to 64GB
- Support VGA,HDMI,DP Tri-Display
- 2×Giga-bit Ethernet,
- 8×USB3.0 ports, 5×USB2.0 ports
- 2×RS232/485, 4×RS232
- 4×SATA3.0, 1×M.2-2242/2280 Slot
- 2×PCIEX16(1x16 or 2x8 link), 3×PCIEX4, 2×PCI slots



NK-7305

12/13/14th processor H610/H610E Chipset ATX Motherboard



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor,TDP up to 125W
- 2×DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 4×USB3.0 ports, 6×USB2.0 ports
- 2×RS232/485, 4×RS232
- 3×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIe4.0 X16 (GEN 4),1×PCIe X4(Gen3), 2×PCIe X4(Gen3, X1 link), 3 X PCI Slots



NK-7306

12/13/14 th processor Q670/Q670E Chipset ATX Motherboard



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor,TDP up to 125W
- 2×DDR5-4800/5600MHz SO-DIMM slot, up to 128GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 8×USB3.0 ports, 5×USB2.0 ports
- 2×RS232/485, 4×RS232
- 4×SATA3.0, 1×M.2-2242/2280 Slot
- 2×PCIe4.0 X16 (Gen4),1 x16 or 2 x8 link), 3×PCIe X4(Gen4), 2 ×PCI Slots

Micro-ATX Motherboard



NK-5105

6/7/8/9 th processor H110 Chipset Micro-ATX Motherboard



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series processor,TDP 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot,up to 64GB
- Support VGA,HDMI,DP Dual-display
- 1×Giga-bit Ethernet
- 4×USB3.0 ports, 4×USB2.0 ports
- 1×RS232/485,3×RS232
- 3×SATA3.0,1×mSATA
- 1×PCIe3.0 X16 (Gen3),1×PCIe X4 (Gen2, x2link), 2×PCIe X1(Gen2,X1link) Slots

Industrial Computer 1

Industrial Motherboard 2

Fanless Industrial PC 3

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Industrial Panel PC 5

Industrial Monitor 6

Automation PC 7

iPAC System 8

EtherCAT I/O Modules 9

ARM-Based Products 10

Industrial Peripherals 11

4U, 19" standard Rack-mount IPC



IPC-615H5-H110

4U Rack-mountable 7-Slot Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot up to 64GB
- Support VGA, HDMI, DP Dual-display
- 2×Giga-bit Ethernet,
- 4×USB3.0 ports, 4×USB2.0, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232
- 3×SATA3.0, 1×M.2-2242/2280 Key M Slot (SATA 3.0 Signal)
- 1×PCIeX16, 1×PCIeX4(X2link), 2×PCIeX4(X1link), 3×PCI slots



IPC-615H5-C236

4U Rack-mountable 7-Slot Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 2×PCIeX16(1X16 or 2X8 link), 2×PCIeX4, 1×PCIe X4(X1link), 2x PCI slots



IPC-615H5-Q470

4U Rack-mountable 7-Slot Industrial PC



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933/3200MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-Display
- 2×Giga-bit Ethernet,
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×M.2-2242/2280 Slot
- 2×PCIeX16(1x 16 or 2x 8 link), 3×PCIe X4, 2×PCI slots



IPC-615H5-H610

4U Rack-mountable 7-Slot Industrial PC



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor, TDP up to 125W
- 2×DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 4×USB3.0 ports, 4×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 3×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIe4.0 X16 (Gen 4), 1×PCIe X4(Gen4), 2×PCIe X4(Gen4, X1 link), 3 X PCI slots



IPC-615H5-Q170

4U Rack-mountable 7-Slot Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232
- 4×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 2×PCIeX16(1X16 or 2X8 link), 2×PCIeX4, 1×PCIeX4(X1link), 2x PCI slots



IPC-615H5-H420E

4U Rack-mountable 7-Slot Industrial PC



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933/3200MHz SO-DIMM slot up to 64GB
- Support VGA, HDMI, DP Dual-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 4×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 3×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIe X 16, 3×PCIeX4(xlink), 3×PCI slots



IPC-615H5-Q570

4U Rack-mountable 7-Slot Industrial PC



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-Display
- 2×Giga-bit Ethernet,
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×M.2-2242/2280 Slot
- 1×PCIe X16(Gen3), 3×PCIe X4(Gen3), 1×PCIe X1(w/x4), 2×PCI slots



IPC-615H5-Q670

4U Rack-mountable 7-Slot Industrial PC



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor, TDP up to 125W
- 2×DDR5-4800/5600MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×M.2-2242/2280 Slot
- 2×PCIe4.0 X16 (Gen4), 1x 16 or 2x 8 link), 3×PCIe X4(Gen4), 2×PCI slots

Desktop & Wall-mount IPC



IPC-615G3-H110

Desktop & Wall-mount 7-Slot Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot up to 64GB
- Support VGA, HDMI, DP Dual-display
- 2×Giga-bit Ethernet,
- 4×USB3.0 ports, 4×USB2.0, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232
- 3×SATA3.0, 1×M.2-2242/2280 Key M Slot (SATA 3.0 Signal)
- 1×PCIeX16, 1×PCIeX4(X2link), 2×PCIeX4(X1link), 3×PCI slots



IPC-615G3-C236

Desktop & Wall-mount 7-Slot Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 2×PCIeX16(1X16 or 2X8 link), 2×PCIeX4, 1×PCIeX4(X-1link), 2x PCI Slots



IPC-615G3-Q470

Desktop & Wall-mount 7-Slot Industrial PC



- Intel® 11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933/3200MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-Display
- 2×Giga-bit Ethernet,
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×M.2-2242/2280 Slot
- 2×PCIeX16(1x 16 or 2x 8 link), 3×PCIe X4, 2×PCI slots



IPC-615G3-H610

Desktop & Wall-mount 7-Slot Industrial PC



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor, TDP up to 125W
- 2×DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 4×USB3.0 ports, 4×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 3×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIe4.0 X16 (Gen 4), 1×PCIe X4(Gen4), 2×PCIe X4(Gen4, X1 link), 3 X PCI Slots



IPC-615G3-Q170

Desktop & Wall-mount 7-Slot Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 2×PCIeX16(1X16 or 2X8 link), 2×PCIeX4, 1×PCIeX4(X-1link), 2×PCI Slots



IPC-615G3-H420E

Desktop & Wall-mount 7-Slot Industrial PC



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933/3200MHz SO-DIMM slot up to 64GB
- Support VGA, HDMI, DP Dual-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 4×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 3×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIe X16, 3×PCIeX4(xlink), 3×PCI slots



IPC-615H5-Q570

Desktop & Wall-mount 7-Slot Industrial PC



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-Display
- 2×Giga-bit Ethernet,
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×M.2-2242/2280 Slot
- 1×PCIe X16(Gen3), 3×PCIe X4(Gen3), 1×PCIe X1(w/x4), 2×PCI slots



IPC-615G3-Q670

Desktop & Wall-mount 7-Slot Industrial PC



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor, TDP up to 125W
- 2×DDR5-4800/5600MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 4×SATA3.0, 1×M.2-2242/2280 Slot
- 2×PCIe4.0 X16 (Gen4), 1x 16 or 2x 8 link), 3×PCIe X4(Gen4), 2×PCI Slots

Industrial Computer 1

Industrial Motherboard 2

Fanless Industrial PC 3

Operation Panel PC 4

Industrial Panel PC 5

Industrial Monitor 6

Automation PC 7

iPAC System 8

EtherCAT I/O Modules 9

ARM-Based Products 10

Industrial Peripherals 11

2U, 19" standard Rack-mount IPC



IPC-615H2-H110

2U Rack-mountable Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot up to 64GB
- Support VGA, HDMI, DP Dual-display
- 2×Giga-bit Ethernet
- 4×USB3.0 ports, 4×USB2.0, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 2×SATA3.0, 1×M.2-2242/2280 Key M Slot (SATA 3.0 Signal)
- 1×PCIeX16, 1×PCIeX4(X2link), 2×PCIeX4(X1link), 3×PCI slots



IPC-615H2-C236

2U Rack-mountable Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 2×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 2×PCIeX16(1X16 or 2X8 link), 2×PCIeX4, 1×PCIeX4(X-1link), 2×PCI slots



IPC-615H2-Q470

2U Rack-mountable Industrial PC



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933/3200MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-Display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 2×SATA3.0, 1×M.2-2242/2280 Slot
- 2×PCIe X16(1x 16 or 2x 8 link), 3×PCIe X 4, 2×PCI slots



IPC-615H2-Q670

2U Rack-mountable Industrial PC



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor, TDP up to 125W
- 2×DDR5-4800/5600MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 2×SATA3.0, 1×M.2-2242/2280 Slot
- 2×PCIe4.0 X 16 (Gen4, 1 x 16 or 2 x 8 link), 3×PCIe X 4(Gen4), 2×PCI slots



IPC-615H2-Q170

2U Rack-mountable Single-Slot Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 2×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 2×PCIeX16(1X16 or 2X8 link), 2×PCIeX4, 1×PCIeX4(X-1link), 2×PCI slots



IPC-615H2-H420E

2U Rack-mountable Industrial PC



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 125W
- 2×DDR4-2933/3200MHz SO-DIMM slot up to 64GB
- Support VGA, HDMI, DP Dual-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 4×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 2×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIe X16, 3×PCIeX4(x1link), 3×PCI slots



IPC-615H2-H610

2U Rack-mountable Industrial PC



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor, TDP up to 125W
- 2×DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 4×USB3.0 ports, 4×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485, 4×RS232(Optional)
- 2×SATA3.0, 1×SATA M.2-2242/2280 Slot
- 1×PCIe4.0 X 16 (GEN 4), 1×PCIe X4(Gen3), 2×PCIe X4(Gen3, X1 link), 3×PCI slots

1U, 19" standard Rack-mount IPC Edge AI Industrial Host



IPC-615H1-H110

1U Rack-mountable Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot up to 64GB
- Support VGA, HDMI, DP Dual-display
- 2×Giga-bit Ethernet
- 4×USB3.0 ports, 4×USB2.0, Built-in USB2.0 dongle
- 2×RS232/485
- 2×SATA3.0, 1×M.2-2242/2280 Key M Slot (SATA 3.0 Signal)



IPC-615H1-C236

1U Rack-mountable Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485
- 2×SATA3.0, 1×SATA M.2-2242/2280 Slot



IPC-615H1-Q170

1U Rack-mountable Industrial PC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA 1151 processor, TDP up to 95W
- 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support VGA, HDMI, DP Tri-display
- 2×Giga-bit Ethernet
- 6×USB3.0 ports, 2×USB2.0 ports, Built-in USB2.0 dongle
- 2×RS232/485
- 2×SATA3.0, 1×SATA M.2-2242/2280 Slot



AIPC-3000-AH6-3S

Edge AI Industrial Host for Automotive Systems



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 65W
- 2×DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support VGA, DP Dual-display
- 2×Intel® GbE LAN controller, 4×USB3.0 ports, 4×RS232
- 2×SATA3.0, 1×M.2-2242/2280 Key M Slot SATA3.0
- 1×PCIe16X+1×PCIe4X(Max. GPU Length: 230mm)
- 1×Mini-PCIe with expandable WiFi and 4G modules
- 1×M.2 Key-B Slot for expandable 5G modules
- 0 C to 35 C work temperature
- Intg. 500W PSU, 90-264V AC Input
- (L)280mm×(W)260mm×(H)169.5mm



AIPC-3000-AH6-3L

Edge AI Industrial Host for Automotive Systems



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 65W
- 2×DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support VGA, DP Dual-display
- 2×Intel® GbE LAN controller, 4×USB3.0 ports, 4×RS232
- 2×SATA3.0, 1×M.2-2242/2280 Key M Slot SATA3.0
- 1×PCIe16X+1×PCIe4X(Max. GPU Length: 300mm)
- 1×Mini-PCIe with expandable WiFi and 4G modules
- 1×M.2 Key-B Slot for expandable 5G modules
- 0 C to 35 C work temperature
- Intg. 500W PSU, 90-264V AC Input
- (L)370mm×(W)260mm×(H)169.5mm



AIPC-3000-AQ6-7L

Edge AI Industrial Host for Automotive Systems



- Intel® 12/13/14 th Gen. Celeron®/Pentium®/Core™-i series processor, TDP up to 65W
- 2×DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support VGA, DP Dual-display
- 2×Intel® GbE LAN controller, 4×USB3.0 ports, 4×RS232
- 2×SATA3.0, 1×M.2-2242/2280 Key M Slot SATA3.0
- 1×PCIe16X(Dual Intel® A770)+1×PCIe4X(Max GPU Length: 300mm)
- 1×Mini-PCIe with expandable WiFi and 4G modules
- 1×M.2 Key-B Slot for expandable 5G modules
- 0 C to 35 C work temperature
- Intg. 750W PSU, 90-264V AC Input

Industrial Motherboard



COMLAC CPU Modules

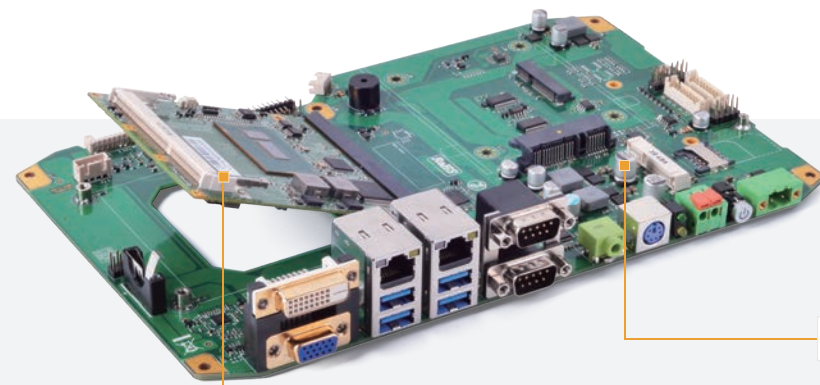
X86 modular bus standard

MXM 3.0 high-speed connector

Type3 and Type5 standard option

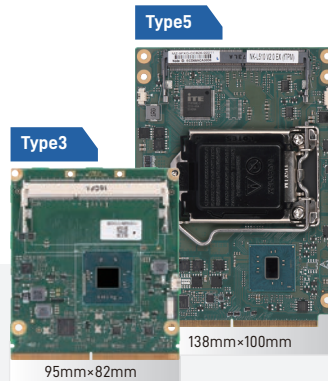
COMLAC carrier board development support

Customized carrier board service



Carrier Board

COMLAC CPU Modules



Type3

Type5

95mm×82mm

138mm×100mm

NK-L312-J1900

95*82 Bay Trail J1900 Comlac Board



- Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, TDP 10W
- Support 1×DDR3L-1333MHz SO-DIMM slot, up to 8GB
- Support 1×VGA FPC Connector, 2×DDI dual display
- Type3 Interface Signals with MXM3.0 Gold Finger

NK-L317-J6412

95*82 Elkhart Lake J6412 Comlac Board



- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6GHz, TDP 10W
- Support 1×DDR4-3200MHz SO-DIMM slot, up to 32GB
- Support 2×DDI, 1×eDP, Tri-Display
- Type3 Interface Signals with MXM3.0 Gold Finger

NK-L318-N305/N97

95*82 Alder lake N Comlac Board



- Intel® Core™ i3-N305 processor, Octa-core, Max frequency 3.8GHz, TDP 15W
- Intel® N-series N97 processor, Quad-core, Max frequency 3.6GHz, TDP 12W
- Support 1×DDR5-4800MHz SO-DIMM slot, up to 16GB
- Support 2×DDI, 1×eDP, Tri-Display
- Type3 Interface Signals with MXM3.0 Gold Finger

NK-L328

95*82 12th Comlac Board



- Intel® Core™ 12th Gen. Processor, i7-1265UE/i5-1245UE/i3-1215UE, TDP 15W
- Support 1×DDR5-4800MHz SO-DIMM slot, up to 64GB
- Support 2×DDI, 1×eDP, Tri-Display
- Type3 Interface Signals with MXM3.0 Gold Finger

Industrial Motherboard



COMLAC CPU Modules



NK-L510-H110

138*100.1 Skylake/Kaby-S H110 Comlac Board

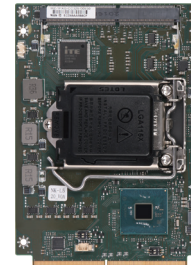


- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-i series LGA1151 processor, TDP up to 65W
- Support 2×DDR4-1866/2133/2400/2666MHz SO-DIMM slots, up to 64GB
- Support 2×DDI, 1×eDP Tri-display
- Type5 Interface Signals with MXM3.0 Gold Finger



NK-L520-H510

138*100.1 Rocket Lake-S H510 Comlac SBC



- Intel® 10/11th Gen. Celeron®/Pentium®/Core™-i series LGA1200 processor, TDP up to 65W
- Support 2×DDR4-3200MHz SO-DIMM slots, up to 64GB
- Support 2×DDI, 1×eDP Dual-display
- Type5 Interface Signals with MXM3.0 Gold Finger



NK-L530-H610

138*100.1 Alder Lake-S/Raptor Lake-S H610 Comlac SBC



- Intel® 12/13th Gen. Celeron®/Pentium®/Core™-i series LGA1700 processor, TDP up to 65W
- Support 2×DDR5-4800MHz SO-DIMM slot, up to 64GB
- Support 2×DDI, 1×eDP Tri-display
- Type5 Interface Signals with MXM3.0 Gold Finger



NK-L519

138*100.1 Ultra5/7/9 Arrow Lake-H Comlac SBC



- Intel® Core™ Ultra5/7/9 Arrow Lake-H processor, TDP 28W max 45W
- Support 2×DDR5-5600MHz SO-DIMM slot, up to 96GB
- Intel® Arc™ 140T GPU, 130T GPU by Ultra 5 Processor 225H
- Support 2×DDI, 1×eDP Tri-display
- Type5 Interface Signals with MXM3.0 Gold Finger

SMARC Board



NK-S218-N97

82*50 N97 SMARC Board



- Intel® N97 processor, 4-core, TDP 12W
- Onboard 4/8/16GB LPDDR5
- Onboard 32/64/128/256GB eMMC
- Dual Channel LVDS (18/24 bit, optional)/eDP, 4K DP++, DP++/HDMI
- Form Factor SMARC 2.1.1

Industrial Motherboard



3.5-inch SBC



NK-6120

3.5 inch Bay Trail J1900 Single Board



- Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, up to 2.42GHz, TDP 10W
- 1xDDR3L-1333MHz SO-DIMM slot, up to 8GB
- Support VGA, HDMI, LVDS/eDP Dual-display
- 2xGiga-bit Ethernet
- 1xUSB3.0 port, 5 x USB2.0 ports
- 1xRS232/485, 1xRS232, 4 x TTL
- 1xM.2-2242, 1xMini-PCIe slot with nano-SIM card socket
- 12-24V power input



NK-6121

3.5 inch Bay Trail J1900 Single Board



- Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, up to 2.42GHz, TDP 10W
- 1xDDR3L-1333MHz SO-DIMM slot, up to 8GB
- Support VGA, HDMI, LVDS/eDP Dual-display
- 2xGiga-bit Ethernet
- 1xUSB3.0 port, 5xUSB2.0 ports
- 1xRS232/485, 1xRS232, 4xTTL
- 1xM.2-2242 and 1xMini-PCIe slot with nano-SIM card socket
- 12-24V power input



NK-6170

3.5 inch Elkhart Lake J6412 Single Board



- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6 GHz, TDP 10W
- 1xDDR4-3200MHz SO-DIMM slot, up to 32GB
- Support DP, HDMI, LVDS/eDP Tri-display
- 2xGiga-bit Ethernet
- 2xUSB3.0ports, 4xUSB2.0 ports
- 1xRS232/485, 1xRS232, 4xTTL
- 1xM.2-2230, 1 x M.2-2242/3042 and 1 x Mini-PCIe slot with nano-SIM card socket
- 12-24V power input



NK-6171

3.5 inch Elkhart Lake J6412 Single Board



- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz, up to 2.6 GHz, TDP 10W
- 1xDDR4-3200MHz SO-DIMM slot, up to 32GB
- Support DP, HDMI, LVDS/eDP Tri-display
- 2xGiga-bit Ethernet
- 2xUSB3.0 ports, 4xUSB2.0 ports
- 1xRS232/485, 1xRS232, 4xTTL
- 1xM.2-2242, 1 x M.2-2230, 1xMini-PCIe slot with nano-SIM card socket
- 12-24V power input



NK-6172

3.5 inch Elkhart Lake J6412 Single Board



- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6 GHz, TDP 10W
- 2xDDR4-3200MHz SO-DIMM slot, up to 32GB
- Support DP, HDMI, Dual-display
- 4xGiga-bit Ethernet
- 2xUSB3.0 ports, 4xUSB2.0 ports
- 1xRS232/485, 1xRS232, 4xTTL
- 1xM.2-2242, 1xM.2-2230, 1xMini-PCIe slot with nano-SIM card socket
- 12-24V power input



NK-6180

3.5 inch Alder Lake-N i3-N305/N97 Single Board



- Intel® processor N97, Quad-core, TDP 12W
- Intel® Core™i3-N305 processor, Octa-core, TDP 15W
- 1xDDR4-3200MHz SO-DIMM slot, up to 32GB
- Support DP, HDMI, LVDS/eDP Tri-display
- 2xGiga-bit Ethernet
- 2xUSB3.0ports, 4xUSB2.0 ports
- 1xRS232/485, 1xRS232, 4xTTL
- 1 x M.2-2230, 1xM.2-2242/3042 and 1xMini-PCIe slot with nano-SIM card socket
- 12-24V power input



NK-6183

3.5 inch Alder Lake-N i3-N305/N97 Single Board



- Intel® processor N97, Quad-core, TDP 12W
- Intel® Core™i3-N305 processor, Octa-core, TDP 15W
- 1xDDR5-4800MHz SO-DIMM slot, up to 16GB
- Support DP, HDMI, LVDS/eDP Tri-display
- 2xGiga-bit Ethernet
- 2xUSB3.2 ports, 4xUSB2.0 ports
- 1xRS232/485, 1xRS232, 4xTTL
- 1xM.2-2242/2280(SATA3.0/NVME), 1xMini-PCIe slot with nano-SIM card socket
- 12-24V power input



NK-6280

3.5 inch 1215U Series Single Board



- Intel® Core™ i3-1215U CPU
- 1xDDR4-3200MHz SO-DIMM slot, up to 32GB
- 2xCOM, 4xTTL, 2xUSB3.0, 4xUSB2.0, 2x1210-AT LAN
- 1xLVDS/eDP, 1xHDMI, 1xDP(Support triple display simultaneously)
- 1xMini-PCIe (WiFi/BT/4G)
- 1xM.2_KB (SATA/NVMe adaptable)
- 1xM.2_KE (WiFi/BT)
- 9-36V power input

Fanless Industrial PC



Nodka's Rugged fanless industrial PCs designed for harsh environments with passive cooling, high reliability, and low maintenance. Ideal for automation, machine vision, robotics, and control systems with durability and stability in demanding industrial applications.

eBOX-3000 Series



eBOX-3000-E/P

Wall-mounted and fanless BOXPC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-I series LGA1151 processor
- 2GLAN/8USB/6RS232(2*RS232/485 Optional)/HDMI/VGA/DVI/PS2/Audio card
- 1xPCIe X16 slot or 1xPCI slot
- 2xMini-PCIe expandable WiFi and 4G modules
- 1xMini SATA, 1x2.5" SATA
- DC12-24V ±10% input
- -20 C to 60 C work temperature



eBOX-3000-L2C2

Wall-mounted and fanless BOXPC



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-I series LGA1151 processor
- 4GLAN/8USB/6RS232(2*RS232/485 Optional)/HDMI/VGA/DVI/PS2/Audio card
- 2xCAN(Mini-PCIe Expansion)
- 1xMini SATA, 1x2.5" SATA
- DC12-24V ±10% input
- -20 C to 60 C work temperature



eBOX-3000H-E/P

Wall-mounted BOXPC with fan



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-I series LGA1151 processor
- 2GLAN/8USB/6RS232(2*RS232/485 Optional)/HDMI/VGA/DVI/PS2/Audio card
- 1xPCIe X16 slot or 2xPCI slot
- 2xMini-PCIe expandable WiFi and 4G modules
- 1xMini SATA, 1x2.5" SATA
- DC12-24V ±10% input
- -20 C to 60 C work temperature



eBOX-3000H-E2LD

Wall-mounted BOXPC with fan



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-I series LGA1151 processor
- 4GLAN/8USB/6RS232(2*RS232/485 Optional)/HDMI/VGA/DVI/PS2/Audio card
- 1xPCIe X16 slot or 2xPCI slots
- 1xMini-PCIe expandable WiFi and 4G modules
- 1xMini SATA, 1x2.5" SATA
- DC12-24V ±10% input
- -20 C to 60 C work temperature



eBOX-3000H-E4L

Wall-mounted BOXPC with fan



- Intel® 6/7/8/9th Gen. Celeron®/Pentium®/Core™-I series LGA1151 processor
- 6GLAN/8USB/6RS232(2*RS232/485 Optional)/HDMI/VGA/DVI/PS2/Audio card
- 1xPCIe X16 slot or 2xPCI slot
- 1xMini SATA, 1x2.5" SATA
- DC12-24V ±10% input
- -20 C to 60 C work temperature



eBOX-3000H-S

Wall-mounted BOXPC with fan



- Intel® the 12/13/14th Gen. CPU
- 2GLAN/8USB/6RS232/HDMI/VGA/DVI
- 1xPCIe X16 slot or 2x32bits PCI slot
- 1xminiPCIe expandable WiFi and 4G modules
- 1xM.2 Key-B Slot, expandable 5G modules
- 1xM.2-2242/2280 Key M slot, 1xSATA3.0
- DC12-24V±10% input
- -20 C to 60 C work temperature

Fanless Industrial PC



eBOX-362X Series



eBOX-3622-S

Wall-mounted and fanless BOXPC



- Intel® Core™ 6-9th i7/i5/i3/Pentium®/ Celeron®, LGA1151(Max TDP 35W)
- 2×Giga-bit Ethernet
- 4×USB3.0 ports, 2×USB2.0 ports
- 2×RS232/485, 4×RS232
- Support DVI,VGA display
- 1×2.5" SATA, 1×Mini SATA
- 1×Mini-PCIe expandable WiFi and 4G modules
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3623-H

Wall-mounted BOXPC with fan



- Intel® Core™ 4th i7/i5/i3/Pentium®/ Celeron®, LGA1150
- 2×Realtek LAN controller, Mini-PCIe offer 2×Intel® GbE LAN controller
- 4×USB3.0, Option 4×USB2.0, 2×RS232/RS485
- Support DVI,VGA display
- 1×2.5" SATA, 1×Mini SATA
- 1×miniPCIe expandable WiFi and 4G modules
- 1×PCI slot + 1×PCIe X4 slot(option X16) or 2×PCI slot or 1×PCIe X1 slot + 1×PCIe X16 slot
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3625

Wall-mounted and fanless BOXPC



- Intel® Core™ 6-9th generation i3/i5/i7/, Pentium®, Celeron® LGA1151 socket type CPU
- Intel® Core™ 10-11th generation i3/i5 CPU, TDP 35W
- 3×Intel® GbE LAN controller
- 4×USB3.0, 2×RS232/RS485
- Support DVI display and e-LINK sender Port
- 1×2.5" SATA, 1×Mini SATA
- 1×miniPCIe expandable WiFi and 4G modules
- 1×PCI slot + 1×PCIe X16 slot
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3626

Wall-mounted and fanless BOXPC



- Intel® Core™ 6-9th i7/i5/i3/Pentium®/ Celeron®, LGA1151(Max TDP 35W)
- 2×Intel® GbE LAN controller
- 4×USB3.0, 4×USB2.0, 4×RS232
- Supports DVI, VGA, HDMI Dual-display
- 1×Mini SATA
- 2×miniPCIe expandable WiFi and 4G modules
- 1×PCIe X16 slot-PCIe C4 network card 4port support PoE
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature

eBOX-32XX Series



eBOX-3250

Wall-mounted and fanless BOXPC



- Intel® Core™ 6-9th Gen. i3/i5/i7, Pentium®, Celeron® LGA1151 type CPU
- Intel® Core™ 10-11th Gen. i3/i5/i7, Pentium®, Celeron® LGA1200 type CPU
- 3×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, 4×RS232
- Optional 2×CAN buses or 2×RS232/485 (COM5-6)
- 8×DI + 8×DO
- 1×mSATA, 1×M.2 NVME SSD (Specifications 2280)
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3240

Wall-mounted and fanless BOXPC



- Intel® Celeron® J6412, 2.0GHz, 1.5MB
- 2×Realtek LAN controller
- 3×USB3.0, 3×USB2.0, 2×RS232, 4×RS232/RS485
- Support VGA, HDMI, DP Tri-display
- 1×M.2 expansion slot for 5G module with extensible USB protocol
- 1×Mini-PCIe expandable WiFi and 4G modules
- 1×2.5 SATA, 1×M.2 Hard Disk ports: SATA hard disks
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3240-R2

Wall-mounted and fanless BOXPC



- Intel® Celeron® J6412, 2.0GHz, 1.5MB
- 2×Realtek LAN controller
- 3×USB3.0, 3×USB2.0, 2×RS232, 6×RS232/RS485
- Support VGA, HDMI, DP Tri-display
- 1×M.2 expansion slot for 5G module with extensible USB protocol
- 1×Mini-PCIe expandable WiFi and 4G modules
- 1×2.5 SATA, 1×M.2 Hard Disk ports: SATA hard disks
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3240-L2

Wall-mounted and fanless BOXPC



- Intel® Celeron® J6412, 2.0GHz, 1.5MB
- 2×Realtek LAN controller, 2×Intel® GbE LAN controller
- 3×USB3.0, 3×USB2.0, 2×RS232, 4×RS232/RS485
- Support VGA, HDMI, DP Tri-display
- 1×M.2 expansion slot for 5G module with extensible USB protocol
- 1×Mini-PCIe expandable WiFi and 4G modules
- 1×2.5 SATA, 1×M.2 Hard Disk ports: SATA hard disks
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature

Fanless Industrial PC



eBOX-3670 Series



eBOX-3670H-P/E

Wall-mounted BOXPC with fan



- Intel® 6/7/8th Gen.LGA1151 socket CPU(TDP35W)
- Intel® 10/11th Gen.L1200 socket CPU(TDP35W)
- 2×Realtek LAN controller
- 4×USB3.0, 2×USB2.0, a USB2.0 dongle built in
- 4×RS232, 2×RS232/RS485
- Supports VGA, HDMI display
- 2×Mini-PCIe expandable WiFi and 4G modules
- 1×PCIe X16+2×PCIe X1 slot or 1×PCIe X16+2×PCI slot
- 1×2.5 SATA, 1×M.2 Hard Disk ports: SATA hard disks
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3240-N

Wall-mounted and fanless BOXPC



- Intel® Processor N97, Quad-core, up to 3.6GHz, TDP 12W
- 2×Realtek LAN controller
- 3×USB3.0, 3×USB2.0, 2×RS232, 4×RS232/RS485
- Support VGA, HDMI, DP Tri-display
- 1×M.2 expansion slot for 5G module with extensible USB protocol
- 1×Mini-PCIe expandable WiFi and 4G modules
- 1×2.5 SATA, 1×M.2 Hard Disk ports: SATA hard disks
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3240-12X5U

Wall-mounted and fanless BOXPC



- Intel® Core™ i3-1215U/i5-1235U/i7-1255U
- 2×Intel® GbE LAN controller
- 2×USB3.0, 4×USB2.0, 5×RS232, 1×RS232/RS485
- Supports DVI, HDMI Dual-display
- 1×M.2-2242/2280 M Key SSD slot(PCIe4.0)
- 1×Mini-PCIe expandable WiFi and 4G modules
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



eBOX-3230

Wall-mounted and fanless BOXPC



- Intel® Celeron® J1900, 2.0GHz
- 2×Realtek LAN controller
- 1×USB3.0, 5×USB2.0, 5×RS232, 1×RS232/RS485
- Supports DVI, HDMI display
- 1×2.5" SATA, 1×Mini SATA
- 1×miniPCIe expandable WiFi and 4G modules
- DC12-24V ±10% input
- -20 °C to 60 °C work temperature



NVS3-N97

Wall-mounted and fanless BOXPC



- Intel® Processor N97, Quad-core, up to 3.6GHz, TDP 12W
- 1×Realtek LAN controller
- 4×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, 1×RS232, 1×RS232/RS485
- Supports HDMI display
- 1×M.2-2280 M Key SSD slot
- 1×M.2_KE (CNVL_WiFi/BT), 1×M.2_KB (4G/5G)
- DC9-36V ±10% input
- -20 °C to 60 °C work temperature



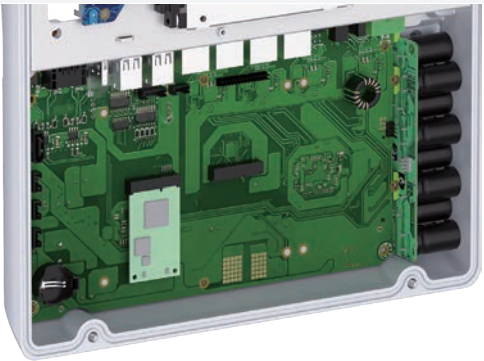
Operation Panel PC

Nodka's Operation Panel PC product line offers robust and versatile solutions for industrial automation environments. These panel PCs feature customizable button options, including RAFIX 22 FS+ or IDEC push buttons with interchangeable colored lenses and various switch types, enhancing functionality and user interaction. Available in sizes from 15" to 21.5", both 4:3 and 16:9 aspect ratios, these panel PCs are equipped with Intel® processors, advanced multi-touch capabilities, built-in supercapacitor power backup options and fanless full IP65-rated enclosure design tailored to meet diverse industrial operation panel application needs.

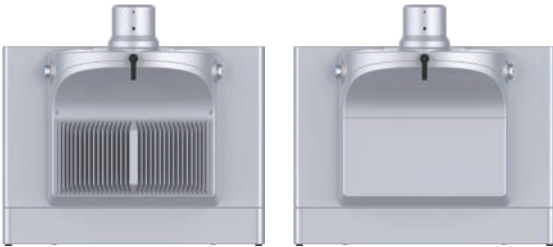
Available in sizes from 15" to 21.5"



Optional built-in UPS supercapacitor



System and Display unit option



Customer-specific requests for button unit
Modular extensions for your device



Operation Panel PC and Monitor



Operation Panel PC



ICP6915/156/185/215-C-H51

15"/15.6"/18.5"/21.5" Operation Panel PC



- Intel® Core™ 6-9th Gen. i3/i5/i7, Pentium®, Celeron® LGA1151 type CPU
- Multi-touch,Capacitive Touchscreen
- Full IP65 design
- 2or4GLAN/4USB3.0/HDMI/2COM
- DC12-24V power input
- Support ARM mounting from TOP side or BOTTOM side
- Fanless and anodized aluminum
- Customer-specific requests for button units,up to 7× Ø22 buttons(15" up to 6 buttons)
- 1×power switch and 1×2in1 USB 2.0 port at the back side



ICP6915/156/185/215-C-H52

15"/15.6"/18.5"/21.5" Operation Panel PC



- Intel® Core™ 10-11th Gen. i3/i5/i7, Pentium®, Celeron® LGA1200 type CPU
- Multi-touch,Capacitive Touchscreen
- Full IP65 design
- 2or4GLAN/4USB3.0/HDMI/2COM
- DC12-24V power input
- Support ARM mounting from TOP side or BOTTOM side
- Fanless and anodized aluminum
- Customer-specific requests for button units,up to 7× Ø22 buttons(15" up to 6 buttons)
- 1×power switch and 1×2in1 USB 2.0 port at the back side



ICP6915/156/185/215-C-H3

15"/15.6"/18.5"/21.5" Operation Panel PC



- Intel®Celeron® J6412, 2.0GHz, 1.5MB
- Multi-touch,Capacitive Touchscreen
- Full IP65 design
- 2or4GLAN/4USB3.0/HDMI/2COM
- DC12-24V power input
- Support ARM mounting from TOP side or BOTTOM side
- Fanless and anodized aluminum
- Customer-specific requests for button units,up to 7× Ø22 buttons(15" up to 6 buttons)
- 1×power switch and 1×2in1 USB 2.0 port at the back side

Operation Panel Monitor



IDP5915/156/185/215-C-HU

15"/15.6"/18.5"/21.5" Operation Panel Monitor



- Multi-touch,Capacitive Touchscreen
- Full IP65 design
- DC12-24V power input
- Support ARM mounting from TOP side or BOTTOM side
- Modular button extensions
- Customer-specific requests for button units,up to 7× Ø22 buttons(15" up to 6 buttons)
- 1×power switch and 1×2in1 USB 2.0 port at the back side



IDP5915/156/185/215-C-HA

15"/15.6"/18.5"/21.5" Operation Panel Monitor



- Multi-touch,Capacitive Touchscreen
- Full IP65 design
- Remote display, RJ45(Signal input)
- DC12-24V power input
- Support ARM mounting from TOP side or BOTTOM side
- Modular button extensions
- Customer-specific requests for button units,up to 7× Ø22 buttons(15" up to 6 buttons)
- 1×power switch and 1×2in1 USB 2.0 port at the back side

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Industrial Panel PC

Nodka's Panel PCs come with modular solutions that allow for easy customization and upgrading, reducing maintenance costs. We offer a selection of screen sizes and PCs with the desired power and performance. Nodka's Industrial Panel PCs come in both 4:3 and 16:9 aspect ratios to accommodate different application requirements, providing flexibility and scalability for industrial deployments. We also offer a range of storage configurations ensuring sufficient storage space for demanding industrial applications.

High-performance TPC6000-XXX4 Series

Supports Intel® Core™ 6-11th Gen. Celeron®, Pentium® desktop processors; aluminum alloy + galvanized steel combined chassis; multi-network ports (up to 5); multi-serial ports (4 ports with RS232-485 switching); 16-channel isolated DI/DO; dual storage (1×M.2 + 1×mSATA); high-performance fan-cooled tablet for vision industry image acquisition & processing.

Expandable Fanless TPC6000-XXX3 Series

Supports Intel® N97/Core™ i3-N305/Celeron® J1900/J6412 processors; magnesium-aluminum alloy die-cast chassis; dual network ports, 4 USB ports, 2 serial ports, supporting mSATA and 2.5-inch SSD/HDD. In addition to general interfaces, it can expand 2 extra serial ports, GPIO, DIO or CANBus via EasyBus slot as per customer requirements.

High - cost - effective Fanless TPC-CXXX Series

Supports Intel® Core™ 12th Gen i5/i7, N97, and Celeron® J6412 processors; magnesium-aluminum alloy panel with sheet metal chassis; dual network ports, 4 USB ports, 2 serial ports; 1×M.2 slot. Widely used in intelligent transportation, machine vision, medical equipment, textile machinery, railway, and traffic automation.

IP69K Stainless Steel Case WP Series

Supports Intel® Celeron® J1900/J6412 processors; high-strength 304 stainless steel case with IP69K protection; dual network ports, 2 USB ports, 2 serial ports (all with M12 aviation plug design); 1 mSATA slot. Suitable for food industry (meat/fish processing plants, breweries, dairy factories, etc.) requiring hygiene, easy disinfection, and resistance to mold/corrosion.

High-performance Fanless TPC6000-XXX4-P Series

Supports Intel® Core™ 6-11th Gen. Celeron®, Pentium® desktop processors; aluminum alloy + galvanized steel combined chassis; multi-network ports (up to 5); multi-serial ports (4 ports with RS232-485 switching); 16-channel isolated DI/DO; dual storage (1×M.2 + 1×mSATA); high-performance fanless-cooled tablet for vision industry image acquisition & processing.

Low-power Fanless TPC6000-XXX2 Series

Supports Intel® Celeron® J1900 processor; dual network ports, 4 USB ports, 6 serial ports; dual storage design with mSATA and 2.5-inch SSD/HDD slots. Widely applicable to intelligent transportation, machine vision, medical equipment, textile machinery, railway, and traffic automation fields.

NFC-Enabled MES Terminal Smartlinc6 Series

Supports Intel® N97/Core™ i5-7200U/i7-7500U/i3-1215U/i5-1235U/i7-1255U processors; features a multi-touch capacitive touchscreen with front panel IP65/NEMA rating. Dual LAN ports, 4 USB ports, 4 serial ports, NFC functionality. Ideal for industrial automation, semiconductor, and new energy applications, providing robust HMI solutions for smart manufacturing.

Industrial Panel PC



High-performance

Capacitive touch



TPC6000-C104/124/154/174/194

10.4"/12.1"/15"/17"/19" Bezel free capacitive touch screen



- Intel® 6th-9th Gen Core™ i7/i5/i3 processors (TDP65W) and 10th-11th Gen Core™ i5/i3 processors (TDP65W)
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 3/5×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, 4×RS232/485
- 8DI+8DO Wet contact input (24V), OC gate output (24V 500mA)
- 1×M.2 2280 (M Key) slot + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted
- Optional fanless chassis



16:9 Widescreen capacitive touch



TPC6000-C124W/1564/1854/2154/2384

12.1"/15.6"/18.5"/21.5"/23.8" Bezel free capacitive touch screen



- Intel® 6th-9th Gen Core™ i7/i5/i3 processors (TDP65W) and 10th-11th Gen Core™ i5/i3 processors (TDP65W)
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 3/5×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, 4×RS232/485
- 8DI+8DO Wet contact input (24V), OC gate output (24V 500mA)
- 1×M.2 2280 (M Key) slot + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted
- Optional fanless chassis



Resistive touch



TPC6000-A104/124/154/174/194/2154

10.4"/12.1"/15"/17"/19"/21.5" Resistive touch screen



- Intel® 6th-9th Gen Core™ i7/i5/i3 processors (TDP65W) and 10th-11th Gen Core™ i5/i3 processors (TDP65W)
- Resistive touch screen with PET film operation panel
- 3/5×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, 4×RS232/485
- 8DI+8DO Wet contact input (24V), OC gate output (24V 500mA)
- 1×M.2 2280 (M Key) slot + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted
- Optional fanless chassis



High-performance Fanless

Capacitive touch



TPC6000-C104/124/154/174/194-P

10.4"/12.1"/15"/17"/19" Bezel free capacitive touch screen



- Intel® 6th-9th Gen Core™ i7/i5/i3 processors (TDP35W) and 10th-11th Gen Core™ i5/i3 processors (TDP35W)
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 3/5×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, 4×RS232/485
- 8DI+8DO Wet contact input (24V), OC gate output (24V 500mA)
- 1×M.2 2280 (M Key) slot + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted



16:9 widescreen capacitive touch



TPC6000-C124W/1564/1854/2154-P

12.1"/15.6"/18.5"/21.5" Bezel free capacitive touch screen



- Intel® 6th-9th Gen Core™ i7/i5/i3 processors (TDP35W) and 10th-11th Gen Core™ i5/i3 processors (TDP35W)
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 3/5×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, 4×RS232/485
- 8DI+8DO Wet contact input (24V), OC gate output (24V 500mA)
- 1×M.2 2280 (M Key) slot + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted



Resistive touch



TPC6000-A104/124/154/174/194/2154-P

10.4"/12.1"/15"/17"/19"/21.5" Resistive touch screen



- Intel® 6th-9th Gen Core™ i7/i5/i3 processors (TDP35W) and 10th-11th Gen Core™ i5/i3 processors (TDP35W)
- Resistive touch screen with PET film operation panel
- 3/5×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, 4×RS232/485
- 8DI+8DO Wet contact input (24V), OC gate output (24V 500mA)
- 1×M.2 2280 (M Key) slot + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted



Industrial Computer 1

Industrial Motherboard 2

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Industrial Panel PC



Expandable Fanless

Capacitive touch



TPC6000-C1043/123/153/173/193

10.4"/12.1"/15"/17"/19" Bezel free capacitive touch screen



- Intel® N97/Core™ i3-N305/Celeron® J1900/J6412 processors
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 2×Intel® GbE LAN controller
- 4×USB3.0, 2×RS232/485
- 1×EasyBUS for expanding 2 serial ports, GPIO, DIO or CANBus
- 1×2.5" SATA HDD (removable) + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted

16:9 widescreen capacitive touch



TPC6000-C123W/1563/1853W/2153W

12.1"/15.6"/18.5"/21.5" Bezel free capacitive touch screen



- Intel® N97/Core™ i3-N305/Celeron® J1900/J6412 processors
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 2×Intel® GbE LAN controller
- 4×USB3.0, 2×RS232/485
- 1×EasyBUS for expanding 2 serial ports, GPIO, DIO or CANBus
- 1×2.5" SATA HDD (removable) + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted

Resistive touch



TPC6000-A103/123/153/173/193/2153

10.4"/12.1"/15"/17"/19"/21.5" Resistive touch screen



- Intel® N97/Core™ i3-N305/Celeron® J1900/J6412 processors
- Resistive touch screen with PET film operation panel
- 2×Intel® GbE LAN controller
- 4×USB3.0, 2×RS232/485
- 1×EasyBUS for expanding 2 serial ports, GPIO, DIO or CANBus
- 1×2.5" SATA HDD (removable) + 1×mSATA slot
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted

Low-power Fanless

Capacitive touch



TPC6000-C1042/122/152/172/192

10.4"/12.1"/15"/17"/19" Bezel free capacitive touch screen



- Intel® Celeron® J1900 processor
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 2×Realtek GbE LAN controller
- 1×USB3.0, 2×USB2.0, 1×RS232/485, 5×RS232
- 1×2.5" SATA HDD + 1×mSATA slot
- DC 12V input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted
- Low-power compact fanless design

16:9 widescreen capacitive touch



TPC6000-C122W/1562/1852W/2152W

12.1"/15.6"/18.5"/21.5" Bezel free capacitive touch screen



- Intel® Celeron® J1900 processor
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 2×Realtek GbE LAN controller
- 1×USB3.0, 2×USB2.0, 1×RS232/485, 5×RS232
- 1×2.5" SATA HDD + 1×mSATA slot
- DC 12V input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted
- Low-power compact fanless design

Resistive touch



TPC6000-A082/102/122/152/172/192/2152

8"/10.4"/12.1"/15"/17"/19"/21.5" Resistive touch screen



- Intel® Celeron® J1900 processor
- Resistive touch screen with PET film operation panel
- 2×Realtek GbE LAN controller
- 1×USB3.0, 2×USB2.0, 1×RS232/485, 5×RS232
- 1×2.5" SATA HDD + 1×mSATA slot
- DC 12V input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted
- Low-power compact fanless design

Industrial Panel PC



High-cost-effective Fanless

Capacitive touch



TPC-C104/121/150/170/190-S

10.4"/12.1"/15"/17"/19" Bezel free capacitive touch screen



- Intel® Core™ i5-7200U/i7-7500U/i3-1215U/i5-1235U/i7-1255U, N-series N97, and Celeron® J6412 processors
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 2×Realtek GbE LAN controller
- 4×USB3.0, 2×RS232
- 1×M.2-2242(M Key)SSD slot
- 1×Mini-PCIe expandable WiFi and 4G modules
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted

16:9 widescreen capacitive touch



TPC-C121W/156/185/215/23.8-S

12.4"/15.6"/18.5"/21.5"/23.8" Bezel free capacitive touch screen



- Intel® Core™ i5-7200U/i7-7500U/i3-1215U/i5-1235U/i7-1255U, N-series N97, and Celeron® J6412 processors
- Multi-point bezel free capacitive touch screen with 20mm ultra-thin display module
- 2×Realtek GbE LAN controller
- 4×USB3.0, 2×RS232
- 1×M.2-2242(M Key)SSD slot
- 1×Mini-PCIe expandable WiFi and 4G modules
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted

IP69K Stainless Steel Case



WP1501/1901/2151T-C

15"/19"/21.5" capacitive touch screen



- Intel® Celeron® J1900/J6412 processors
- SUS304 stainless steel enclosure with IP69K protection rating
- Multi-point capacitive touch screen
- All interfaces with M12 aviation plug design
- 2×Intel® GbE LAN controller
- 2×USB ports, 2×serial ports
- 1×Mini-PCIe expandable WiFi and 4G modules
- 1×mSATA slot
- DC12-24V ±10% input
- Fanless design throughout
- VESA wall-mounted installation

NFC-Enabled MES Terminal

Capacitive touch



Smartlinc6-V156/V215

15.6"/21.5" capacitive touch screen



- Intel® Processor N97/Core™ i5-7200U/i7-7500U/i3-1215U/i5-1235U/i7-1255U
- Ultra-compact and fanless design, front panel IP65 compliant
- Multi-point capacitive touch screen
- 2×GbE(RJ45), Realtek 8111H controller
- 4×USB3.0 ports, 2×serial ports
- Supports NFC frequency of 13.56 MHz
- 1×1080P Dynamic sensor (Optional)
- 1×Mini-PCIe expandable WiFi and 4G modules
- 1×M.2-2242 /2280 M KeySSD slot(SATA3.0/NVME)
- DC12±10% input
- VESA wall-mounted installation

Industrial Monitor

Nodka's **Industrial Touch Monitor** engineered for harsh environments, Nodka's monitors feature rugged IP69K stainless steel models, capacitive multi-touch, and resistive touch options. With HDMI/VGA/DVI inputs + optional HDBaseT for long-range connectivity, they withstand dust, water, and industrial stress. Flexible mounting (VESA, panel, rack, open frame) ensures seamless integration. Reliability built in.

Resistive Touchscreen Monitor



PANEL5000-AXX2-TU

8"/10.4"/12.1"/15"/17"/19"/21.5" Resistive touch screen



- Resistive touch screen with PET film operation panel
- Supports USB interface for touch control
- I/O: VGA / DVI / USB TOUCH / DC IN
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted



PANEL5000-AXX2-TS

8"/10.4"/12.1"/15"/17"/19"/21.5" Resistive touch screen



- Resistive touch screen with PET film operation panel
- Supports COM interface for touch control
- I/O: VGA / DVI / RS232 / DC IN
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted



PANEL5000-AXX3-T

10.4"/12.1"/15"/17"/19"/21.5" Resistive touch screen



- Resistive touch screen with PET film operation panel
- Supports USB Tybe B interface for touch control
- I/O: VGA / HDMI / 2×USB / DC IN
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted

Capacitive Touchscreen Monitor



PANEL5000-CXX2-L

10.4"/12.1"/15"/15.6"/17"/18.5"/19"/21.5"/23.8" Bezel free capacitive touch screen



- Multi-point bezel free capacitive touch screen
- Supports USB interface for touch control
- I/O: VGA / DVI / USB TOUCH / DC IN
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted



PANEL5000-CXX3-L

10.4"/12.1"/15"/15.6"/17"/18.5"/19"/21.5"/23.8" Bezel free capacitive touch screen



- Multi-point bezel free capacitive touch screen
- Supports USB Tybe B interface for touch control
- I/O: VGA / HDMI / 2×USB / DC IN
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted

Industrial Monitor



HDBaseT eLink Monitor



PANEL5000-CXX2-L-A

10.4"/12.1"/15"/15.6"/17"/18.5"/19"/21.5"/23.8" Bezel free capacitive touch screen



- Multi-point bezel free capacitive touch screen
- Supports USB interface for touch control
- I/O: 2×USB / ND Link / DC IN
- Long-Distance HMI Signal Transmission: Transmit video, touch, and control signals up to 100 meters, ensuring operational integrity across large facilities.
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted



PANEL5000-AXX2-T-A

10.4"/12.1"/15"/17"/19"/21.5" Resistive touch screen



- Resistive touch screen with PET film operation panel
- Supports USB interface for touch control
- I/O: 2×USB / ND Link / DC IN
- Long-Distance HMI Signal Transmission: Transmit video, touch, and control signals up to 100 meters, ensuring operational integrity across large facilities.
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted

IP69K Stainless Steel Case



WP1501/1901/2151P-C

15"/19"/21.5" Capacitive touch screen



- SUS304 stainless steel enclosure with IP69K protection rating
- Multi-point capacitive touch screen
- All interfaces with M12 aviation plug design
- I/O: DC IN / HDMI / USB TOUCH
- DC12-24V ±10% input
- Fanless design throughout
- VESA wall-mounted installation

Button-Integrated Touch Monitor



LC5000-E215/270TF

21.5"/27" Capacitive touch screen Monitor



- Bezel free capacitive touch screen
- Full HD all-viewing angle with 1920×1080 resolution
- Supports USB interface for touch control
- I/O: DVI / VGA / USB / DC IN
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted
- Customizable Button Panel



LC5000-E215/270TF-A

21.5"/27" HDBaseT eLink capacitive touch screen Monitor

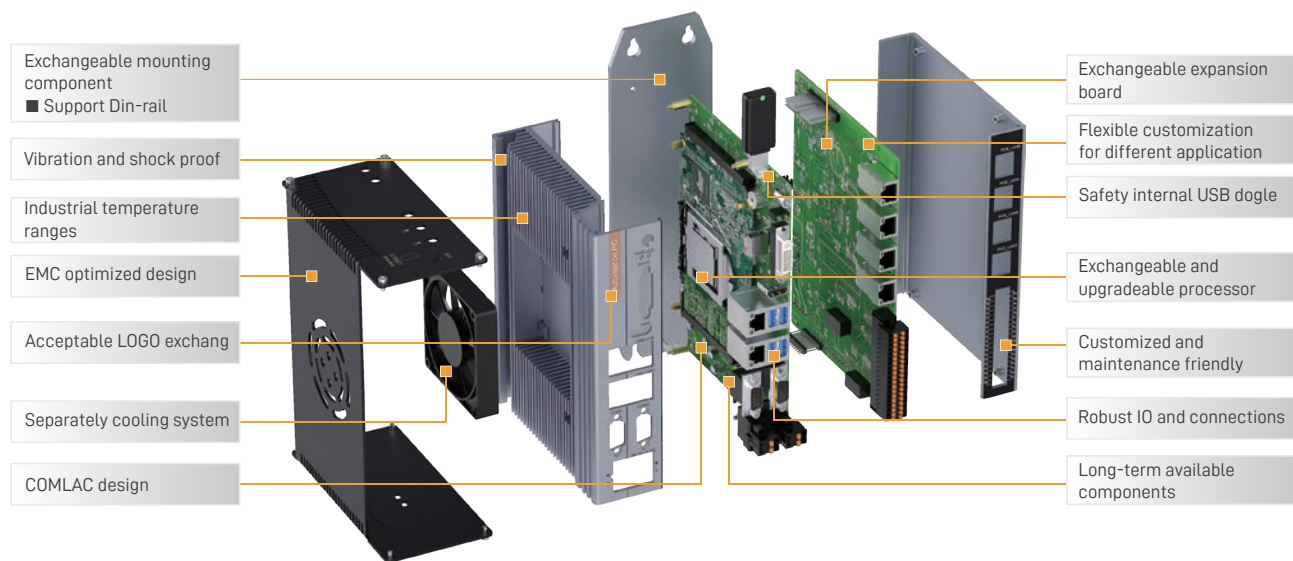


- Bezel free capacitive touch screen
- Full HD all-viewing angle with 1920×1080 resolution
- Supports USB interface for touch control
- I/O: DVI / VGA / USB / DC IN
- Long-Distance HMI Signal Transmission: Transmit video, touch, and control signals up to 100 meters, ensuring operational integrity across large facilities.
- DC12-24V ±10% input
- Front IP65 compliant
- Supports Panel Mounted & VESA Mounted
- Customizable Button Panel

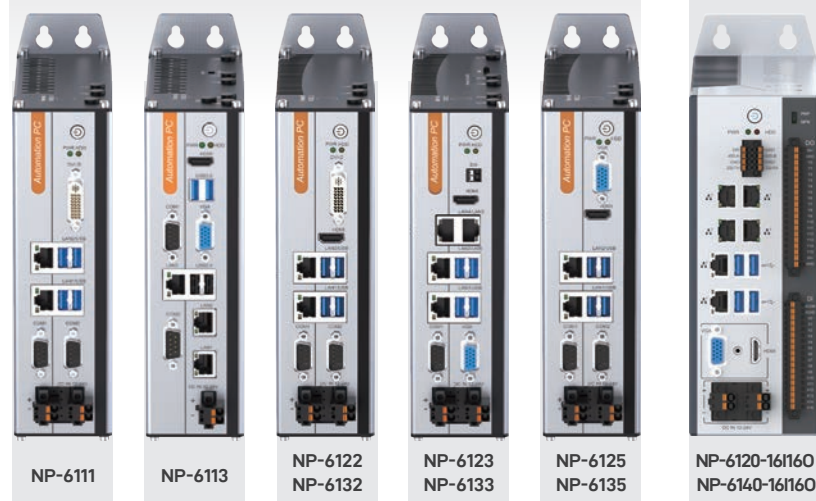


Automation PC

Nodka's NP series of active cooling automation PCs is engineered for high-performance industrial applications, supporting LGA1151, LGA1200 and LGA1700 processors with up to 65W TDP. This series is ideal for demanding environments, offering both wall mount and DIN Rail mounting options to fit various control cabinet configurations. Additionally, the series boasts expandability through miniPCIe slots, adaptable RS232/485 communication, and internal USB 2.0 ports for USB keys, complete with options for customization such as OEM logos. This versatility makes the NP series suitable for a wide range of industrial automation needs.



8 Basic PC options



NEW

CPU	Fanless	with Fan
Alder Lake-N N97/i3-N305	NP-6111 NP-6113	-
Intel® Celeron® J6412	NP-6111 NP-6113	-
Intel® Core™ 6/7/8/9th Gen. i7/i5/i3/Pentium®/ Celeron® LGA1151	-	NP-6122 NP-6123 NP-6125 NP-6120
Intel® Core™ 10/11th Gen. i7/i5/i3 LGA1200	-	NP-6132 NP-6133 NP-6135
Intel® Core™ 12/13th Gen. i9/i7/i5/i3 LGA1700	-	NP-6140

Automation PC



Fanless Low power consumption



NP-6111

For Automation Control Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 2×Intel® GbE LAN controller
- 4×USB on the front, a USB2.0 on board for USB dongle
- 2×RS232/485,RS485 support auto flow control
- 1×Mini-PCIe expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6111-JH3

For AGV, Energy storage, Edge computing Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 2×Intel® GbE LAN controller
- 8×USB on the front, a USB2.0 on board for USB dongle
- 4×RS232/485,RS485 support auto flow control
- 8×isolated DI,8×isolated DO
- 2×CAN Bus 2.0 A/B(Optional)
- 1×Mini-PCIe expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6111-JH2

For Machine Vision Industry Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 2×Intel® GbE LAN controller
- 2×Intel® GbE PoE LAN, Max. 15W per channel
- 4×USB on the front, a USB2.0 on board for USB dongle
- 2×RS232/485,RS485 support auto flow control
- 8×isolated DI,8×isolated DO
- 4×PWM light control support externaltrigger input
- 1×Mini-PCIe expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6111-JH4

For Energy storage, Edge computing Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 2×Intel® GbE LAN controller
- 4×USB on the front, a USB2.0 on board for USB dongle
- 2×RS232/485, 8×RS485
- 8×isolated DI, 4×Relay output(NO)
- 1×Mini-PCIe expansion slot, supportwifi,3G/4G, CAN modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6111-JH2B

For Machine Vision Industry Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 2×Intel® GbE LAN controller
- 2×Intel® GbE PoE LAN, Max. 15W per channel
- 4×USB on the front, a USB2.0 on board for USB dongle
- 2×RS232/485, RS485 support auto flow control
- 16×isolated DI, 16×isolated DO
- 1×Mini-PCIe expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6111-L2

For Energy storage, Edge computing Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 4×Intel® GbE LAN controller
- 4×USB on the front, a USB2.0 on board for USB dongle
- 2×RS232/485,RS485 support auto flow control
- 1×Mini-PCIe expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported

Industrial Computer	1
Industrial Motherboard	2
Fanless Industrial PC	3
Operation Panel PC	4
Industrial Panel PC	5
Industrial Monitor	6
Automation PC	7
iPAC System	8
EtherCAT I/O Modules	9
ARM-Based Products	10
Industrial Peripherals	11

Fanless Low power consumption



NP-6111-CAN2

For AGV, Energy storage, Edge computing Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 2×Intel® GbE LAN controller
- 4×USB on the front, a USB2.0 on board for USB dongle
- 2×RS232/485,RS485 support auto flow control
- 2×CANBus 2.0 A/B
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6113-MVS

For Machine Vision Industry Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 1×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, a USB2.0 on board for USB dongle
- 1×RS232/485,RS485 support auto flow control, 1×RS232, 1×RS485
- Support VGA, HDMI display
- 8×isolated DI, 8×isolated DO, 4×light PWM control
- 2×Mini-PCle expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6113

For Machine Vision and Integrated Vision-control Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 1×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, a USB2.0 on board for USB dongle
- 1×RS232/485,RS485 support auto flow control, 1×RS232
- Support VGA, HDMI display
- 2×Mini-PCle expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6113-MVS-L1

For Machine Vision Industry Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 2×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, a USB2.0 on board for USB dongle
- 1×RS232/485,RS485 support auto flow control, 1×RS232, 1×RS485
- Support VGA, HDMI display
- 8×isolated DI, 8×isolated DO, 4×light PWM control
- 1×Mini-PCle expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6113-16I16O

For Machine Vision Industry Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 1×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, a USB2.0 on board for USB dongle
- 1×RS232/485,RS485 support auto flow control, 1×RS232
- Support VGA, HDMI display
- 16×isolated DI, 16×isolated DO
- 2×Mini-PCle expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6113-L2

For Machine Vision Industry Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 3×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, a USB2.0 on board for USB dongle
- 1×RS232/485,RS485 support auto flow control, 1×RS232
- Support VGA, HDMI display
- 2×Mini-PCle expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6113-MVS-L4

For Machine Vision Industry Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 5×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, a USB2.0 on board for USB dongle
- 1×RS232/485,RS485 support auto flow control, 1×RS232
- Support VGA, HDMI display
- 8×isolated DI, 8×isolated DO
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6113-CAN2

For AGV, Energy storage, Edge computing Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 1×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, a USB2.0 on board for USB dongle
- 1×RS232/485,RS485 support auto flow control, 1×RS232
- 2×CANBus 2.0 A/B
- Support VGA, HDMI display
- 1×Mini-PCle expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported



NP-6113-CAN4

For AGV, Energy storage, Edge computing Applications



- Intel® N97/Core™ i3-N305/Celeron® J6412 processors
- 1×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 2×USB3.0, 2×USB2.0, a USB2.0 on board for USB dongle
- 1×RS232/485,RS485 support auto flow control, 1×RS232
- 4×CANBus 2.0 A/B
- Support VGA, HDMI display
- 1×Mini-PCle expansion slot, supportwifi,3G/4G modules
- DC12~24VPower supplywith overcurrent, overvoltage and polarityinverse protection
- Support wall-mounted or DIN-Rail fixing style
- Fullyenclosed structure, fanless and no cable design
- Wide operatingtemperature-20~60°C supported

Desktop High Performance



NP-61X2

For Automation Control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- Support DVI-D and HDMI display port
- 1×Mini-PCle expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C supported



NP-61X2-H1

For Machine Vision and Integrated Vision-control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 4×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- 4×PWM light control support external trigger input
- Support DVI-D and HDMI display port
- 1×Mini-PCle expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C supported



NP-61X2-H1B

For Machine Vision and Integrated Vision-control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 4×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 16×isolated DI, 16×isolated DO
- Support DVI-D and HDMI display port
- 1×Mini-PCle expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C supported

Industrial Computer 1

Industrial Motherboard 2

Fanless Industrial PC 3

Operation Panel PC 4

Industrial Panel PC 5

Industrial Monitor 6

Automation PC 7

iPAC System 8

EtherCAT I/O Modules 9

ARM-Based Products 10

Industrial Peripherals 11

Desktop High Performance



NP-61X2-H1BP

For Machine Vision and Integrated Vision-control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 4×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 16×DI (support 2-channel A/B phase differential encoder input acquisition, max. 1MHz)
- 16×DO(support 2-channel single-ended PWM output, max. 1MHz)
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported



NP-61X2-JH2

For Machine Vision and Integrated Vision-control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- 4×PWM light control support external trigger input
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported



NP-61X2-JH2B

For Machine Vision and Integrated Vision-control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported
-



NP-61X2-JH3

For AGV, Energy storage, Edge computing Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 4×USB2.0(Extended by PCIeX1), 2×CANBus 2.0 A/B(Optional)
- 4×RS232/RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported



NP-61X2-JH4

For Intelligent Gateway, Energy Storage Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, 8×RS485, RS485 support auto flow control
- 8×isolated DI, 4×Relay DO(NO)
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported



NP-61X2-JH5

For AGV, Intelligent Transportation, Energy Storage Industry Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 3×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, 8×RS485, RS485 support auto flow control
- 16×isolated DI, 8×isolated DO, 8×Relay DO(NO)
- Support DVI-D and HDMI display port
- 2×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported

Desktop High Performance



NP-61X2-H7

For Machine Vision and Integrated Vision-control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 8×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
-
- 4×Light PWM control, support light trigger inputs
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported



NP-61X2-H7B

For Machine Vision and Integrated Vision-control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 8×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 16×isolated DI, 16×isolated DO
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported



NP-61X2-8POE

For Machine Vision Guidance Industry Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 8×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported



NP-61X2-CAN2

For AGV, Energy storage, Edge computing Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 2×CAN Bus 2.0A/B
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported



NP-61X2-L2

For Automation Control Applications



- NP-6122 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6132 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 4×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- Support DVI-D and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 C° supported

Desktop High Performance



NP-61X3

For Automation Control Applications



- NP-6123 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6133 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 4×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 1×RS232/RS485, RS485 support auto flow control
- Support both VGA and HDMI display port
- 2×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X3-MVS

For Machine Vision and Integrated Vision-control Applications



- NP-6123 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6133 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 4×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 1×RS232/RS485, 1×RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- 4×PWM light control support external trigger input
- Support both VGA and HDMI display port
- 2×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X3-MVS-L1

For Machine Vision and Integrated Vision-control Applications



- NP-6123 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6133 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 5×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 1×RS232/RS485, 1×RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- 4×PWM light control support external trigger input
- Support both VGA and HDMI display port
- 2×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X3-MVS-L4

For Machine Vision and Integrated Vision-control Applications



- NP-6123 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6133 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 8×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 1×RS232/RS485, 1×RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- Support both VGA and HDMI display port
- 2×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X3-161160

For Automation Control Applications



- NP-6123 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6133 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 4×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 1×RS232/RS485, RS485 support auto flow control
- 16×isolated DI, 16×isolated DO
- Support both VGA and HDMI display port
- 2×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X3-HDD

For Automation Controller and Machine Vision Industry Applications



- NP-6123 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6133 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 4×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 1×RS232/RS485, RS485 support auto flow control
- Support both VGA and HDMI display port
- 2×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported

Desktop High Performance



NP-61X5

For Automation Control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-H1

For Machine Vision and Integrated Vision-control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 4×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- 4×PWM light control support external trigger input
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-H1B

For Machine Vision and Integrated Vision-control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 4×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 16×isolated DI, 16×isolated DO
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-H1BP

For Machine Vision and Integrated Vision-control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 4×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 16×DI (support 2-channel A/B phase differential encoder input acquisition, max. 1MHz)
- 16×DO (support 2-channel single-ended PWM output, max. 1MHz)
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-JH2

For Machine Vision and Integrated Vision-control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- 4×PWM light control support external trigger input
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-JH2B

For Machine Vision and Integrated Vision-control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 2×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 16×isolated DI, 16×isolated DO
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported

Desktop High Performance



NP-61X5-JH3

For AGV, Energy storage, Edge computing Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 4×USB2.0(Extended by PCIeX1), 2×CANBus 2.0 A/B(Optional)
- 4×RS232/RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-JH4

For Intelligent Gateway, Energy Storage Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, 8×RS485, RS485 support auto flow control
- 8×isolated DI, 4×Relay DO(NO)
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-JH5

For Intelligent Gateway, Energy Storage Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 3×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, 8×RS485, RS485 support auto flow control
- 16×isolated DI, 8×isolated DO, 8×Relay DO(NO)
- Support VGA and HDMI display port
- 2×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-H7

For Machine Vision and Integrated Vision-control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 8×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 8×isolated DI, 8×isolated DO
- 4×Light PWM control, support light trigger inputs
- Support VGA and HDMI display port
- 1×miniPCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-H7B

For Machine Vision and Integrated Vision-control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 8×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 16×isolated DI, 16×isolated DO
- Support VGA and HDMI display port
- 1×miniPCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-8POE

For Industry Applications of Machine Vision Guidance



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller, 8×Intel® GbE PoE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported

Desktop High Performance



NP-61X5-CAN2

For AGV, Energy storage, Edge computing Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 2×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- 2×CAN Bus 2.0A/B
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-61X5-L2

For Automation Control Applications



- NP-6125 series: Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
NP-6135 series: Intel® Core™ 10th/11th Gen. i9/i7/i5/i3 LGA1200 type CPU
- 4×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 2×RS232/RS485, RS485 support auto flow control
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6120-16I16O

For Machine Vision Industry Applications



- Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- 6×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 1×RS232, 1×RS485
- 16×isolated DI, 16×isolated DO
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support 3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6120-EX01

For Machine Vision Industry Applications



- Intel® Core™ 6th/7th/8th Gen. i7/i5/i3/Pentium®/Celeron® LGA1151 type CPU
- 7×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, USB2.0 Type A on board for dongle
- 2×RS232, 4×RS485
- 1×Audio(Mic in / Line out)
- 8×isolated DI, 8×isolated DO
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support 3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6140-16I16O

For Machine Vision Industry Applications



- Intel® Core™ 12th/13th Gen. i9/i7/i5/i3/LGA1700 type CPU
- 6×Intel® GbE LAN controller
- 4×USB3.0, USB2.0 Type A on board for dongle
- 1×RS232, 1×RS485
- 16×isolated DI, 16×isolated DO
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support 3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6140-EX01

For Machine Vision Industry Applications



- Intel® Core™ 12th/13th Gen. i9/i7/i5/i3/LGA1700 type CPU
- 7×Intel® GbE LAN controller
- 4×USB3.0, 2×USB2.0, USB2.0 Type A on board for dongle
- 2×RS232, 4×RS485
- 1×Audio(Mic in / Line out)
- 8×isolated DI, 8×isolated DO
- Support VGA and HDMI display port
- 1×Mini-PCIe expansion slot, Support 3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported

Industrial Computer 1

Industrial Motherboard 2

Fanless Industrial PC 3

Operation Panel PC 4

Industrial Panel PC 5

Industrial Monitor 6

Automation PC 7

iPAC System 8

EtherCAT I/O Modules 9

ARM-Based Products 10

Industrial Peripherals 11

Compact Industrial PC



NP-6117

For Automation Controller and Edge Computing Industry Applications



- Intel® Celeron® J1900/ J6412 processors
- 1xIntel® GbE LAN controller
- 2xRTL8111H GbE LAN controller
- 2xUSB on the front, 1xUSB2.0 on board for USB dongle
- 1xRS232, 1xRS485
- 1xProgrammable LED, 1xProgrammable Switch
- 1xDI, 1xDO
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6118-16I16O

For AGV and Service Robot Industry Applications



- Intel® Celeron® J1900/ J6412 processors
- 1xIntel® GbE LAN controller
- 2xRTL8111H GbE LAN controller
- 4xUSB on the front, 1xUSB2.0 on board for USB dongle
- 1xRS232, 2xRS485, support auto flow control
- 2xCAN2.0 A/B
- 16xisolated DI, 16xisolated DO
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- 1xM.2 expansion slot, support Wifi modules
- Embedded super capacitors (fully loaded 5s)
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6118-ARM

For AGV and Automation Controller Industry Applications



- Intel® Celeron® J6412 processors
- 1xIntel® GbE LAN controller
- 2xRTL8111H GbE LAN controller
- 4xUSB on the front, 1xUSB2.0 on board for USB dongle
- 1xRS232, 2xRS485, support auto flow control
- 2xCAN2.0 A/B(Optional)
- 16xisolated DI, 16xisolated DO
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- 1xM.2 expansion slot, support Wifi modules
- Embedded super capacitors (fully loaded 5s)
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported

Ultra-Compact Industrial PC



NP-6116

For Automation Controller and Edge Gateway Industry Applications



- Intel® Celeron® J1900/ J6412 processors
- 3xGbE LAN controller
- 3xUSB2.0/3.0
- 1xRS232, 1xRS485
- 1xProgrammable LED
- Support HDMI and DP display
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6116-I0

For Automation Controller and Edge Gateway Industry Applications



- Intel® Celeron® J1900/ J6412
- 3xGbE LAN controller
- 3xUSB2.0/3.0
- 1xRS232, 1xRS485
- 1xProgrammable LED
- 8xisolated DI, 8xisolated DO
- Support HDMI and DP display
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6116-N97

For Automation Controller and Edge Gateway Industry Applications



- Intel® N97 processors
- 4xIntel® GbE LAN controller
- 2xUSB3.0, 2xUSB2.0
- 1xRS232, 1xRS485
- 2xProgrammable LED
- 1xAudio(Mic in / Line out)
- Support HDMI and DP display
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6116-L2

For Automation Controller and Edge Gateway Industry Applications



- Intel® Celeron® J1900/ J6412 processors
- 5xGbE LAN controller
- 3xUSB2.0/3.0
- 1xRS232, 1xRS485
- 1xProgrammable LED
- Support HDMI and DP display
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6116-COM2

For Automation Controller and Edge Gateway Industry Applications



- Intel® Celeron® J1900/ J6412 processors
- 3xGbE LAN controller
- 3xUSB2.0/3.0
- 1xRS232, 1xRS485, 2xRS232/485
- 1xProgrammable LED
- Support HDMI and DP display
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported



NP-6116-CAN2

For Automation Controller and Edge Gateway Industry Applications



- Intel® Celeron® J1900/ J6412 processors
- 3xGbE LAN controller
- 3xUSB2.0/3.0
- 1xRS232, 1xRS485
- 2xCAN Bus 2.0A/B
- 1xProgrammable LED
- Support HDMI and DP display
- 1xMini-PCIe expansion slot, support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60 °C supported

Industrial Computer 1

Industrial Motherboard 2

Fanless Industrial PC 3

Operation Panel PC 4

Industrial Panel PC 5

Industrial Monitor 6

Automation PC 7

iPAC System 8

EtherCAT I/O Modules 9

ARM-Based Products 10

Industrial Peripherals 11

Automation PC Selection Table



Model No.	CPU	LAN	PoE	USB	USB Dongle Interface	COM	DI	DO	Light Control	CAN	Display
NP-6111	Intel® N97/ Core™ i3-N305/ Celeron® J6412	2	-	4	1	2	-	-	-	-	DVI
NP-6111-JH2		2	2	4	1	2	8	8	4	-	DVI
NP-6111-JH2B		2	2	4	1	2	16	16	-	-	DVI
NP-6111-JH3		2	-	8	1	4	8	8	-	- or 2	DVI
NP-6111-JH4		2	-	4	1	10	8	4	-	-	DVI
NP-6111-L2		4	-	4	1	2	-	-	-	-	DVI
NP-6111-CAN2		2	-	4	1	2	-	-	-	2	DVI
NP-6113		1	2	4	1	2	-	-	-	-	VGA & HDMI
NP-6113-16I160		1 or 2	2	4	1	2	16	16	-	-	VGA & HDMI
NP-6113-MVS		1	2	4	1	3	8	8	4	-	VGA & HDMI
NP-6113-MVS-L1		2	2	4	1	3	8	8	4	-	VGA & HDMI
NP-6113-L2		3	2	4	1	2	-	-	-	-	VGA & HDMI
NP-6113-MVS-L4		5	2	4	1	2	8	8	-	-	VGA & HDMI
NP-6113-CAN2		1	2	4	1	2	-	-	-	2	VGA & HDMI
NP-6113-CAN4		1	2	4	1	2	-	-	-	4	VGA & HDMI
NP-6122	Intel® Core™ 6/7/8th Gen. i7/i5/i3/Pentium®/ Celeron® LGA1151	2	-	4	1	2	-	-	-	-	DVI & HDMI
NP-6122-H1		2	4	4	1	2	8	8	4	-	DVI & HDMI
NP-6122-H1B		2	4	4	1	2	16	16	-	-	DVI & HDMI
NP-6122-H1BP		2	4	4	1	2	16	16	-	-	DVI & HDMI
NP-6122-JH2		2	2	4	1	2	8	8	4	-	DVI & HDMI
NP-6122-JH2B		2	2	4	1	2	16	16	-	-	DVI & HDMI
NP-6122-JH3		2	-	8	1	4	8	8	-	- or 2	DVI & HDMI
NP-6122-JH4		2	-	4	1	10	8	4	-	-	DVI & HDMI
NP-6122-JH5		3	-	4	1	10	16	16	-	- or 2	DVI & HDMI
NP-6122-H7		2	-	8	1	2	8	8	4	-	DVI & HDMI
NP-6122-H7B		2	-	8	1	2	16	16	-	-	DVI & HDMI
NP-6122-8PoE		2	8	4	1	2	-	-	-	-	DVI & HDMI
NP-6122-CAN2		2	-	4	1	2	-	-	-	- or 2	DVI & HDMI
NP-6122-L2		4	-	4	1	2	-	-	-	-	DVI & HDMI
NP-6123		4	-	5	1	1	-	-	-	-	VGA & HDMI
NP-6123-MVS		4	-	4	1	2	8	8	4	-	VGA & HDMI
NP-6123-MVS-L1		5	-	4	1	2	8	8	4	-	VGA & HDMI
NP-6123-L4		8	-	4	1	2	8	8	-	-	VGA & HDMI
NP-6123-16I160		4 or 5	-	4	1	1	16	16	-	-	VGA & HDMI
NP-6123-HDD		4	-	4	1	1	-	-	-	-	VGA & HDMI
NP-6125		2	-	4	1	2	-	-	-	-	VGA & HDMI
NP-6125-H1		2	4	4	1	2	8	8	4	-	VGA & HDMI
NP-6125-H1B		2	4	4	1	2	16	16	-	-	VGA & HDMI

Automation PC Selection Table



Model No.	CPU	LAN	PoE	USB	USB Dongle Interface	COM	DI	DO	Light Control	CAN	Display
NP-6125-H1BP	Intel® Core™ 6/7/8th Gen. i7/i5/i3/Pentium®/ Celeron® LGA1151	2	4	4	1	2	16	16	-	-	VGA & HDMI
NP-6125-JH2		2	2	4	1	2	8	8	4	-	VGA & HDMI
NP-6125-JH2B		2	2	4	1	2	16	16	-	-	VGA & HDMI
NP-6125-JH3		2	-	8	1	4	8	8	-	- or 2	VGA & HDMI
NP-6125-JH4		2	-	4	1	10	8	4	-	-	VGA & HDMI
NP-6125-JH5		3	-	4	1	10	16	16	-	- or 2	VGA & HDMI
NP-6125-H7		2	-	8	1	2	8	8	4	-	VGA & HDMI
NP-6125-H7B		2	-	8	1	2	16	16	-	-	VGA & HDMI
NP-6125-8PoE		2	8	4	1	2	-	-	-	-	VGA & HDMI
NP-6125-CAN2		2	-	4	1	2	-	-	-	2	VGA & HDMI
NP-6125-L2		4	-	4	1	2	-	-	-	-	VGA & HDMI
NP-6120-16I160		6	-	4	1	2	16	16	-	-	VGA & HDMI
NP-6120-EX01		7	-	6	1	6	8	8	-	-	VGA & HDMI
NP-6132	Intel® Core™ 10/11th Gen. i7/i5/i3 LGA1200	2	-	4	1	2	-	-	-	-	DVI & HDMI
NP-6132-H1		2	4	4	1	2	8	8	4	-	DVI & HDMI
NP-6132-H1B		2	4	4	1	2	16	16	-	-	DVI & HDMI
NP-6132-H1BP		2	4	4	1	2	16	16	-	-	DVI & HDMI
NP-6132-JH2		2	2	4	1	2	8	8	4	-	DVI & HDMI
NP-6132-JH2B		2	2	4	1	2	16	16	-	-	DVI & HDMI
NP-6132-JH3		2	-	8	1	4	8	8	-	- or 2	DVI & HDMI
NP-6132-JH5		3	-	4	1	10	16	16	-	- or 2	DVI & HDMI
NP-6132-H7		2	-	8	1	2	8	8	-	-	DVI & HDMI
NP-6132-H7B		2	-	8	1	2	16	16	-	-	DVI & HDMI
NP-6132-8PoE		2	8	4	1	2	-	-	-	-	DVI & HDMI
NP-6132-CAN2		2	-	4	1	2	-	-	-	2	DVI & HDMI
NP-6132-L2		4	-	4	1	2	-	-	-	-	DVI & HDMI
NP-6133		4	-	4	1	1	-	-	-	-	VGA & HDMI
NP-6133-MVS		4	-	4	1	2	8	8	4	-	VGA & HDMI
NP-6133-MVS-L1		5	-	4	1	2	8	8	4	-	VGA & HDMI
NP-6133-L4		8	-	4	1	2	8	8	-	-	VGA & HDMI
NP-6133-16I160		4 or 5	-	4	1	1	16	16	-	-	VGA & HDMI
NP-6133-HDD		4	-	4	1	1	-	-	-	-	VGA & HDMI
NP-6135		2	-	4	1	2	-	-	-	-	VGA & HDMI
NP-6135-H1		2	4	4	1	2	8	8	4	-	VGA & HDMI
NP-6135-H1B		2	4	4	1	2	16	16	-	-	VGA & HDMI
NP-6135-H1BP		2	4	4	1	2	16	16	-	-	VGA & HDMI
NP-6135-JH2		2	2	4	1	2	8	8	4	-	VGA & HDMI
NP-6135-JH3		2	-	8	1	4	8	8	-	- or 2	VGA & HDMI

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Automation PC Selection Table



Model No.	CPU	LAN	PoE	USB	USB Dongle Interface	COM	DI	DO	Light Control	CAN	Display
NP-6135-JH5	Intel® Core™ 10/11th Gen. i7/i5/i3 LGA1200	3	-	4	51	10	16	16	-	-	VGA & HDMI
NP-6135-H7		2	-	8	1	2	8	8	4	-	VGA & HDMI
NP-6135-H7B		2	-	8	1	2	16	16	-	-	VGA & HDMI
NP-6135-8PoE		2	8	4	1	2	-	-	-	-	VGA & HDMI
NP-6135-CAN2		2	-	4	1	2	-	-	-	- or 2	VGA & HDMI
NP-6135-L2		4	-	4	1	2	-	-	-	-	VGA & HDMI
NP-6140-16I16O	Intel® Core™ 12/13th Gen. i9/i7/i5/i3 LGA1700	6	-	4	1	2	16	16	-	-	VGA & HDMI
NP-6140-EX01		7	-	6	1	6	8	8	-	-	VGA & HDMI
NP-6117	Intel® Celeron® J6412/J1900	3	-	2	1	2	1	1	-	-	HDMI
NP-6118-16I16O		3	-	4	1	3	16	16	-	- or 2	HDMI & DP
NP-6118-ARM		3	-	4	1	3	16	16	-	- or 2	HDMI & DP
NP-6116		3	-	3	-	2	-	-	-	-	HDMI & DP
NP-6116-I0		3	-	3	-	2	8	8	-	-	HDMI & DP
NP-6116-L2		5	-	3	-	2	-	-	-	-	HDMI & DP
NP-6116-COM2		3	-	3	-	4	-	-	-	-	HDMI & DP
NP-6116-CAN2		3	-	3	-	2	-	-	-	2	HDMI & DP
NP-6116-N97	Intel® N97	4	-	4	-	2	-	-	-	-	HDMI & DP

iPAC System

Nodka's iPAC IPC Automation Controllers product line combines high-performance ARM and x86-based computing platforms with modular EtherCAT and I/O expansion capabilities, making it ideal for a wide range of industrial automation applications. These controllers support real-time communication, feature rugged DIN-rail mountable designs, and integrate a super capacitor UPS for data protection during power loss. With flexible I/O modules—including digital, analog, temperature, and encoder inputs/outputs—the system offers scalable solutions for complex control systems. The iPAC series is designed for reliability, expandability, custom branding and seamless integration into modern Industry 4.0 environments.

iPAC PC unit

Super Cap. Module

DIN-Rail installation
• Conforms to DIN EN 60715

Customized product info panel

Flexible IO modules
• Extended by the EBUS
• Many kinds of IO modules

Ebus Coupler insight
• Easy to extend the IO modules
• Easy to adapt to application software

iPAC IO Modules

Chassis
• High quality
• Easy to buy
• Long life cycle

Status LEDs
• Very convenient for the diagnosis and system turning

Function label
• Distinguish the IO functions by the label color

Screw free terminal block
• Greatly improve wiring efficiency
• Make the wiring more stable

Flexible terminal block
• Improve the efficiency of system maintenance

iPAC PC unit



AC-1112-A/B

J6412, N97 iPAC PC unit



- Intel® Celeron® J6412/N97 CPU
- 3×Intel LAN, 1×EtherCAT out
- 2×USB3.0, 3×USB2.0
- 2×RS485, 2×RS232
- 1×Mini-PCIe expansion slot for WiFi/3G/4G modules
- 5×Programmable LEDs
- HDMI/DP Display
- DC24V input
- Super capacitors integrated



AC-1121/1131

High Performance iPAC PC unit



- AC-1121: Intel® Core™ Gen. 6/7/8th i3/i5/i7 CPU
- AC-1131: Intel® Core™ Gen. 12/13th i3/i5/i7 CPU
- 5×Intel® LAN, 1×EtherCAT out
- 2×USB3.0, 3×USB2.0
- 2×RS485, 2×RS232
- 1×Mini-PCIe expansion slot for WiFi/3G/4G/CAN modules
- 5×Programmable LEDs
- HDMI/DP Display
- DC24V input
- Super capacitors integrated



AC-1181

The ARM-based iPAC PC unit



- ARM T507 Quad-core Cortex™-A53 1.4GHz
- 2×LAN(RJ45), Ethernet
- 1×RJ45, EtherCAT
- 1×USB Type-C
- 1×RS485
- 8×DI, 8×DO
- DC24V input
- Super capacitors integrated



AK-1100

EtherCAT I/O Coupler Module



- Voltage Input: DC24V
- Protocol: EtherCAT
- Dimensions: (W)100mm x (H)24mm x (D)80mm
- Installation method: DIN-Rail installation

iPAC I/O Modules



AL-1219

16-Channel Digital Input Module



- Signals: 16-channel NPN/PNP digital input, 3ms filtering
- Signal voltage: DC24V
- Communication protocol: EtherCAT



AL-1229

16-Channel Digital Input Module



- Signals: 16-channel NPN/PNP digital input, 10 μ s filtering
- Signal voltage: DC24V
- Communication protocol: EtherCAT



AL-2019

16-Channel NPN Digital Input Module



- Channels: 16 channels
- Output Type: NPN type
- Max. Drive Current per Channel: 0.5A per channel
- Signal Voltage: DC24V
- Communication Protocol: EtherCAT



AL-2319

16-Channel PNP Digital Input Module



- Channels: 16 channels
- Output Type: PNP type
- Max. Drive Current per Channel: 0.5A per channel
- Signal Voltage: DC24V
- Communication Protocol: EtherCAT

iPAC I/O Modules



AL-3238

8-Channel Voltage-Type Analog Input Module



- Type: 8-Channel Analog Input Module
- Channels: 8 channels
- Input Type: Voltage, differential input
- Input Range: -10V to +10V
- Resolution: 16-bit
- Communication Protocol: EtherCAT



AL-3438

8-Channel Current-Type Analog Input Module



- Type: 8-Channel Analog Input Module
- Channels: 8 channels
- Input Type: Current, differential input
- Input Range: 0mA to 20mA
- Resolution: 16-bit
- Communication Protocol: EtherCAT



AL-3538

8-Channel Current-Type Analog Input Module



- Type: 8-Channel Analog Input Module
- Channels: 8 channels
- Input Type: Current, differential input
- Input Range: 4mA to 20mA
- Resolution: 16-bit
- Communication Protocol: EtherCAT



AL-3608

8-Channel Thermocouple Temperature Acquisition Module



- Type: 8-Channel thermocouple input channels
- Wiring Mode: Supports 2-wire configuration
- Thermocouple Types: Compatible with K/J/T thermocouples
- Communication Protocol: EtherCAT



AL-3614

8-Channel RTD Temperature Acquisition Module



- Input Channels: 8 resistance input channels
- Wiring Mode: Supports 4-wire configuration
- Input Range: PT100/PT100/Ni100
- Communication Protocol: EtherCAT



AL-4228

8-Channel Voltage-Type Analog Output Module



- Type: 8-Channel Analog Output Module
- Channels: 8 channels
- Output Type: Voltage
- Output Range: -10V to +10V
- Resolution: 16-bit
- Communication Protocol: EtherCAT



AL-4428

8-Channel Current-Type Analog Output Module



- Type: 8-Channel Analog Output Module
- Channels: 8 channels
- Output Type: Current
- Output Range: 0mA to 20mA
- Resolution: 16-bit
- Communication Protocol: EtherCAT



AL-4528

8-Channel Current-Type Analog Output Module



- Type: 8-Channel Analog Output Module
- Channels: 8 channels
- Output Type: Current
- Output Range: 4mA to 20mA
- Resolution: 16-bit
- Communication Protocol: EtherCAT

EtherCAT I/O Modules

EtherCAT I/O Modules



Agile Module I/O

The Agile Modules I/O are automated EtherCAT I/O modules for signal distribution via PCB wiring. Featuring ultra-compact design, flexible layouts, and multiple safety guarantees, they directly connect to RJ45 without extra couplers, reducing production costs and failure rates. Suitable for single-unit, small-batch, and mass production, the PCB-mounted modules include AM-9xxx power/blank modules, AM-1xxx digital input, AM-2xxx digital output, AM-3xxx analog input, AM-4xxx analog output series, with each sub-series offering various functional specifications for complex automation applications.



AM-2319-0000

16-Channel PNP Digital Output Module



- Output Signal: 16-Channel PNP Digital Output,
- Max. Drive Current: 0.5A per Channel
- Signal Voltage: DC24V
- Communication Protocol: EtherCAT
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1 & 4



AM-3524-0000

4-Channel Analog Current Input Module



- Signal voltage: 4mA~20mA
- Analog inputs: 4(single-ended)
- Resolution: 16bit
- Measure error: < 0.1%
- Communication Protocol: EtherCAT
- Support SM&DC
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1&5



AM-3228-0000

8-Channel Analog Voltage Input Module



- Signal voltage: -10V~+10V
- Analog inputs: 8(single-ended)
- Resolution: 16bit
- Measure error: < 0.1%
- Communication Protocol: EtherCAT
- Support SM&DC
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1&5



AM-3528-0000

8-Channel Analog Current Input Module



- Signal voltage: 4mA~20mA
- Analog inputs: 8(single-ended)
- Resolution: 16bit
- Measure error: < 0.1%
- Communication Protocol: EtherCAT
- Support SM&DC
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1&5



AM-3424-0000

4-Channel Analog Current Input Module



- Signal voltage: 0mA~20mA
- Analog inputs: 4(single-ended)
- Resolution: 16bit
- Measure error: < 0.1%
- Communication Protocol: EtherCAT
- Support SM&DC
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1&5



AM-3614-0000

4-Channel Temperature Input Module



- Input Signal: PT100, PT1000, NI100
- Wiring: 3-Wire
- Resolution: 16-bit
- Accuracy: < 0.1%
- Protocol: EtherCAT
- Features: SM & DC Support
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1 & 5



AM-3428-0000

8-Channel Analog Current Input Module



- Signal voltage: 0mA~20mA
- Analog inputs: 8(single-ended)
- Resolution: 16bit
- Measure error: < 0.1%
- Communication Protocol: EtherCAT
- Support SM&DC
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1&5



AM-4224-0000

4-Channel Analog Voltage Output Module



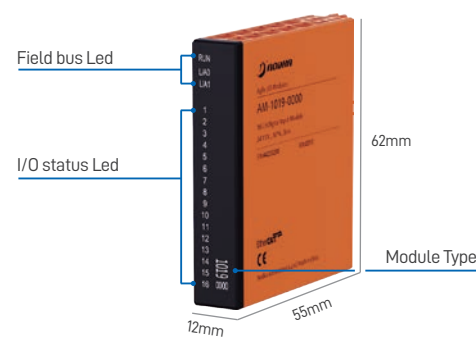
- Signal voltage: -10V~+10V
- Analog outputs: 4(single-ended)
- Resolution: 16bit
- Measure error: < 0.1%
- Communication Protocol: EtherCAT
- Support SM&DC
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1&7

09

EtherCAT I/O Modules



Agile Module I/O



AM-9403-0000

Us power supply



- Voltage Input: DC24V
- Current Output: DC3.3V, Max. Output Current: 3A
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 7 & 8



AM-1319-0000

16-Channel PNP Digital Input Module



- Input Signal: 16-Channel PNP Digital Input, 3ms Filtering
- Signal Voltage: DC24V
- Communication Protocol: EtherCAT
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1 & 3



AM-1019-0000

16-Channel NPN Digital Input Module



- Input Signal: 16-Channel NPN Digital Input, 3ms Filtering
- Signal Voltage: DC24V
- Communication Protocol: EtherCAT
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1 & 3



AM-2019-0000

16-Channel NPN Digital Output Module



- Output Signal: 16-Channel NPN Digital Output
- Max. Drive Current: 0.5A per Channel
- Signal Voltage: DC24V
- Communication Protocol: EtherCAT
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1 & 4

Agile Module I/O



AM-4424-0000

4-Channel Analog Current Output Module



- Signal voltage: 0mA~20mA
- Analog outputs: 4(single-ended)
- Resolution: 16bit
- Measure error: <0.1%
- Communication Protocol: EtherCAT
- Support SM&DC
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1&7



AM-4524-0000

4-Channel Analog Current Output Module



- Signal voltage: 4mA~20mA
- Analog outputs: 4(single-ended)
- Resolution: 16bit
- Measure error: <0.1%
- Communication Protocol: EtherCAT
- Support SM&DC
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 1&7



AM-5002-0000

Dual-Channel Incremental Encoder Input Module



- Input Signal: Incremental (A/B/Z with index)
- Wiring: Differential (RS422 level)
- Counting: 32bit
- Protocol: EtherCAT
- Features: SM & DC Support
- Dimensions: 12 mm × 66 mm × 55 mm
- Installation Code: 2 & 7



AM-9000-0000

Slot dummy Module



1.Select the required modules

Select the modules that have already been developed.



2.Propose special module requirements

Propose special module requirements and provide demand specifications for us to develop special.



3.Design signal distribution board

Users have the option to develop their own signal distribution board based on the design guide.



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ARM-Based Products



ARM-Based Products of NODKA covers rugged embedded motherboards, industrial tablets & fanless BOXPCs powered by Rockchip CPUs. Optimized for gateways with wireless connectivity, they provide RISC/ARM design services to speed up development. Featuring high-performance computing, rich I/Os for smart cabinets, IR touchscreens (water/dust/light-resistant), and efficient cooling for 24/7 operation in harsh environments. Android OS is locally optimized for unattended operation and remote maintenance, making them a leading ARM-based solution for industrial IoT.



Android



Ubuntu

ARM-Based SBC



NK-2A10

Rockchip ARM Cortex-A72 RK3399 SBC



- Rockchip RK3399 ARM Dual Cortex-A72 and Quad Cortex-A53 1.8 GHz
- Onboard 2/4GB LPDDR4 memory and 16/32/64GB eMMC
- Supports 1xHDMI 2.0 4K, 1xLVDS, and 1xeDP
- Provides 2xGbE(option), 1xUSB3.0(OTG), 7xUSB2.0, 4xserial, 1xI2C, 12xGPIO
- Provides a Mini-PCle with USB3.0 signal for LTE/5G Modules
- Provides a Onboard WIFI, Support bluetooth5.0
- Supports Linux and Android OS



NK-6A10

Rockchip ARM Cortex-A72 RK3399 3.5" SBC



- Rockchip RK3399 ARM Dual Cortex-A72 and Quad Cortex-A53 1.8 GHz
- Onboard 2/4GB LPDDR4 memory and 16/32/64GB eMMC
- Supports 1xHDMI 2.0 4K, 1xLVDS, 1xMIPI-DSI, and 1xeDP
- Provides 1xGbE, 1xUSB3.0(OTG), 5xUSB2.0, 5xSerial, 1xTTL, 1xI2C, 2xSPI, 8xGPIO, 1xPhoneJack
- Provides a Mini-PCle with USB3.0 signal for LTE/5G Modules
- Provides a Onboard 2.4G/5G WIFI, Support bluetooth5.0
- Provides a Onboard GPS
- Supports Linux and Android OS



NK-6A12

Rockchip ARM Cortex-A55 RK3568 3.5" SBC



- Rockchip RK3568 ARM Quad Cortex-A55 up to 2.0GHz Built-in NPU with processing performance of up to 1.0 TOPS
- Onboard 2/4/8GB LPDDR4 memory and 16/32/64GB eMMC
- Supports 1xHDMI 2.0 4K, 1xLVDS, 1xMIPI-DSI and 1xeDP
- 1xGbE, 1xUSB3.0(OTG), 5xUSB2.0, 5xSerial(option), 1xTTL, 1xI2C, 1xSPI, 4xGPIO, 1xMIPI-CSI, 1xPhoneJack
- 1xM.2 E Key with PCIe 3.0/PCIe 2.0/USB 2.0 signal for Wi-Fi 5/6(option)
- 1xMini-PCle with USB 3.0 signal for LTE/5G Modules
- Onboard WIFI, Support bluetooth5.0
- Supports Linux and Android OS



NK-6A13

Rockchip ARM RK3588 3.5" SBC



- Rockchip RK3588 8nm process, quad-core Cortex-A76 + quad-core Cortex-A55
- Built-in 6.0 TOPS NPU for AI applications
- Mali-G610 MC4 GPU with 2D image accelerator
- Onboard 4/8GB LPDDR4 memory and 32/64GB eMMC
- 8K@60fps display support via eDP/HDMI2.1/LVDS/MIPI
- 1xGbE, 1xUSB3.0(OTG), 5xUSB2.0, 6xSerial(option), 1xTTL, 1xI2C, 8xGPIO, 1xMIPI-CSI, 1xPhoneJack
- 1xM.2 E Key with PCIe 3.0/PCIe 2.0/USB 2.0 signal for Wi-Fi 5/6(option)
- 1xMini-PCle with USB 3.0 signal for LTE/5G Modules
- Provides a Onboard Dual-WIFI, Support bluetooth5.0
- Supports Linux and Android OS

ARM-Based Products



ARM-Based SBC



NK-6A21

Rockchip RK3576 Cortex-A72+A53 3.5" SBC



- Rockchip RK3576 quad-core Cortex-A72 and quad-core Cortex-A53@2.2GHz
- ARM G52 MC3 GPU
- 6TOPS RKNV NPU for AI acceleration
- Onboard 4/8GB LPDDR4 + 32/64GB eMMC
- Displays: 1xHDMI (4K30@120Hz), 1xLVDS, 1xeDP
- Interfaces: 2xGbE, 1xSATA3.0, 1xUSB3.0 OTG, 3xUSB2.0, 5xSerial (optional), 2xI2C, 2xSPI, 2xCAN
- Wireless: 1xMini-PCle (USB2.0 for LTE/WiFi 6 or PCIe2.1 for dual LAN), 1xM.2-B Key (USB3.0 for 5G)
- Onboard 2.4G/5G dual-band WiFi + Bluetooth 5.0
- Supports Linux and Android OS



NK-6A22

Rockchip ARM Cortex-A55 RK3568 3.5" SBC



- Rockchip RK3568 ARM Quad Cortex-A55 up to 2.0GHz
- Built-in NPU with processing performance of up to 1.0 TOPS
- Onboard 4/8GB LPDDR4 memory and 32/64GB eMMC
- Displays: 1xHDMI 2.0 4K, 1xLVDS and 1xeDP
- Interfaces: 2xGbE, 1xUSB3.0(OTG), 4xUSB2.0, 5xSerial (option), 1xTP/I2C, 2xCAN, 12xGPIO, 1xMIPI-CSI,
- 1xMini-PCle (USB2.0 for LTE/WiFi 6 or PCIe2.1 for dual LAN(Optional)), 1xM.2-B Key (USB3.0 for 5G)
- Onboard 2.4G/5G dual-band WiFi + Bluetooth 5.0
- Supports Linux and Android OS



NK-6A23

Rockchip ARM Cortex-A55 RK3588 3.5" SBC



- Rockchip RK3588 8nm process, quad-core Cortex-A76 + quad-core Cortex-A55
- Built-in 6.0 TOPS NPU for AI applications
- Mali-G610 MC4 GPU with 2D image accelerator
- Onboard 4/8GB LPDDR4 memory and 32/64GB eMMC
- Displays: 1xHDMI Out 2.1@8K, 1xHDMI In 2.0@4K, 1xLVDS and 1xeDP
- Interfaces: 2xGbE, 1xSATA3.0, 1xUSB3.0(OTG), 4xUSB2.0, 5xSerial(option), 1xTP/I2C, 2xCAN, 12xGPIO
- 1xMini-PCle with USB 2.0 signal for LTE/ Wi-Fi 6 Modules or PCIe 2.1 signal for Dual LAN Card(Optional), 1xM.2-B Key with USB 3.0 signal for 5G Modules
- Provides a 2.4G/5G dual-channel WiFi, Support bluetooth 5.0
- Supports Linux and Android OS

Industrial Panel PC



ARM6000-CXXX-C5E-3399-T

10.1"/12.5"/15.6"/21.5" Rockchip RK3399 Panel PC

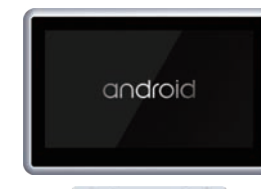


- Rockchip RK3399 6-core, 2xCortex-A72 + 4xCortex-A53
- Mali-T860 MP4 quad-core GPU
- Front panel IP65 protection
- VESA & embedded hook mounting
- Onboard 4GB LPDDR4 + 32/64GB eMMC
- 2xGLAN, 3xCOM, 3xUSB2.0, 1xUSB3.0(OTG)
- On board 2.4G/5G Wi-Fi, support Wi-Fi + Bluetooth 5.0
- Optional LTE 4G/5G module
- 2xspeaker output, Built in speaker (Optional), 1xMic in (Optional)
- 12-24V DC power supply
- Supports Linux, Debian and Android OS



ARM6000-CXXX-C8-T

10.1"/12.1"/12.5"/15"/15.6"/21.5" Rockchip RK3568/RK3576/RK3588 Panel PC



- Rockchip RK3568 Quad-core Cortex-A55
- Rockchip RK3576 8-core 4xCortex-A72+4xCortex-A53
- Rockchip RK3588 8-core 4xCortex-A55+4xCortex-A76
- Front panel IP65 protection
- VESA & embedded hook mounting
- Onboard 4/8GB LPDDR4 + 32/64GB eMMC
- 2xGLAN, 3xUSB2.0, 1xUSB3.0(OTG), 1xRS485, 1xRS232 (DB9), 3xRS232/RS485 (Optional)
- On board 2.4G/5G Wi-Fi, support Wi-Fi + Bluetooth 5.0, 1xMini-PCle slot, support LTE 4G/Wi-Fi 6 modules (Optional), 1xM.2 slot, support 5G modules (Optional)
- 2xspeaker output, Built in speaker (Optional), 1xMic in (Optional)
- 12-24V DC power supply
- Supports Linux, Debian and Android OS



SmartLinc6-EXXX-3568A

10.1"/12.1"/15"/15.6"/17"/21.5" Rockchip RK3568 Panel PC



- Rockchip RK3568 Quad-core Cortex-A55 up to 2.0GHz
- Onboard 2/4GB LPDDR4 + 32GB eMMC
- Front panel IP65 protection
- VESA & embedded hook mounting
- 2xGLAN, 3xUSB2.0, 1xUSB3.0(OTG), 1xRS485, 3xRS232
- On board 2.4G/5G Wi-Fi, support Wi-Fi + Bluetooth 5.0
- 1xMini-PCle slot, support LTE 4G(Optional)
- 1xM.2 slot, support WiFi6(Optional)
- 2xspeaker output, Built in speaker (Optional)
- 12-24V DC power supply
- Supports Android 11 OS

ARM-Based Products



Industrial Panel PC



ARM6000-C101-R1-3568J-T

10.1" Rockchip RK3568/RK3568J Wide Temperature Panel PC



- Rockchip RK3568/RK3568J Quad-core Cortex-A55
- Onboard 2/4GB LPDDR4 32GB eMMC
- 10.1" Wide-Temperature Capacitive Touch Screen, 1280*800 Resolution
- 4xGLAN, 3xUSB2.0, 1xUSB3.0(OTG), 8xRS485(isolation), 2xRS232(isolation), 1xDebug interface, 2xCAN-Bus(isolation)
- On board 2.4G/5G Wi-Fi, support Wi-Fi + Bluetooth 5.0
- 1xMini-PCIe slot, support LTE 4G/5G modules
- 18xDI optocoupler input, 8xDO relay isolation
- Support panel mounting and VESA mounting
- 9-36V DC power supply
- Wide operating temperature -20~70 °C / -40~80 °C supported
- Supports Debian 11 OS

Fanless Industrial PC



ABOX-3904-2E

Rockchip RK3399 Fanless Industrial Computer



- Rockchip RK3399 6-core, 4xCortex-A53+2xCortex-A72 up to 1.8GHz, Mali-T860 MP4 quad-core GPU
- Onboard 4GB LPDDR4 + 32/64GB eMMC
- 2xGLAN, 3xUSB2.0, 1xUSB3.0(OTG), 2xRS232/485, 2x Ø3.5 phone Jack, 1xHDMI
- On board 2.4G/5G Wi-Fi, support Wi-Fi + Bluetooth 5.0
- 1xMini-PCIe slot, support LTE 4G/5G modules (Optional)
- 12-24V DC power supply
- Wide operating temperature -20 ~ 70 °C supported
- Supports Linux, Debian and Android OS



ABOX-3906

For Energy Storage Industry Applications



- Rockchip RK3568J Quad-core Cortex-A55 up to 1.4GHz
- Onboard 4GB LPDDR4 + 32/64GB eMMC
- 1xM.2 2242 key supports SSD, max up to 512GB
- 4xGLAN, 3xUSB2.0, 1xUSB3.0(OTG), 8xRS232/485, 2xRS232, 1xDebug interface, 2xCAN-Bus
- 18xDI optocoupler input, 8xDO relay isolation
- On board 2.4G/5G Wi-Fi, support Wi-Fi + Bluetooth 5.0
- 1xMini-PCIe slot, support LTE 4G/5G modules (Optional)
- 1xHDMI interface, 1xDVI
- Support 9-36V DC power supply
- Wide operating temperature -20 ~ 70 °C / -40 ~ 80 °C supported
- Supports Debian 11 OS



ABOX-3908

For AIOT Edge Computing Gateway Applications



- Rockchip RK3568 Quad-core Cortex-A55
- Rockchip RK3576 8-core 4xCortex-A72+4xCortex-A53
- Rockchip RK3588 8-core 4xCortex-A55+4xCortex-A76
- Onboard 4/8GB LPDDR4 + 32/64GB eMMC
- 2xGLAN, 3xUSB2.0, 1xUSB3.0(OTG), 1xRS485, 1xRS232, 3xRS232/485 modules (Optional), 1xHDMI
- On board 2.4G/5G Wi-Fi, support Wi-Fi + Bluetooth 5.0, 1xMini-PCIe slot, support LTE 4G/WiFi 6 modules, 1xM.2 slot, support 5G modules (Optional)
- Support wall-mounted or DIN-Rail fixing style
- 12-24V DC power supply
- Wide operating temperature -20 ~ 70 °C supported
- Supports Linux, Debian and Android OS



ABOX-6108A/B/C

For AIOT Edge Computing Gateway Applications



- Rockchip RK3568/RK3576/RK3588 CPU
- Onboard 4/8GB LPDDR4 + 32/64GB eMMC
- 2xGLAN, 3xUSB2.0, 1xUSB3.0(OTG), 1xRS485, 1xRS232, 2xCAN-Bus, 2x Ø3.5 phone Jack (Optional), 1xHDMI
- On board 2.4G/5G Wi-Fi, support Wi-Fi + Bluetooth 5.0, 1xMini-PCIe slot, support LTE 4G/WiFi 6 modules (Optional)
- 1xM.2 slot, support 5G modules (Optional)
- **ABOX-6108A:** 6xDI, 6xDO Module (Optional) + 2xGLAN Module (Optional)
- **ABOX-6108B:** 6xDI, 6xDO Module (Optional) + 3xRS232/485 Module (Optional)
- **ABOX-6108C:** 3xRS232/485 Module (Optional) + 2xGLAN Module (Optional)
- Support wall-mounted or DIN-Rail fixing style
- 12-24V DC power supply
- Wide operating temperature -20 ~ 70 °C supported
- Supports Linux, Debian and Android OS



ABOX-6162

For AGV Robot and Motion Control Industry Applications



- Rockchip RK3399 6 cores up to 1.8GHz
- Onboard 4GB LPDDR4 + 16GB eMMC
- 3x10/100/1000Mbps RJ-45 Ethernet Interface
- 2xRS232, 2xRS485, RS485 supports automatic flow control
- 2xCAN2.0 A/B, 3xUSB interfaces
- 16xDI NPN/PNP, 16xDO NPN (Optional)
- Support wall-mounted or DIN-Rail fixing style
- 9-36V DC power supply
- Wide operating temperature -20 ~ 60 °C supported
- Supports Linux and Android OS



Industrial Peripherals

HDBaseT Display Transmitter Series. Maximize long-distance, high-definition and operation signals integration with Nodka's eLink-200 HDBaseT Display Transmitter, offering streamlined connectivity via a standard Ethernet cable.

Supercapacitor UPS ensures critical operations and data safety with reliable power backup, providing quick energy discharge and recharge for continuous industrial PC protection.

HDBaseT Display Transmitter



eLink-RVL

Remote Video receive BOX



- All communication between the automation panel and the PC is transmitted using network cables
- Use standard Ethernet cable, Ultra long distance transmission, up to 100 meters
- Wide Input Range DC12-24V
- DIN-rail mounting



eLink-200M

Remote Video receive BOX



- All communication between the automation panel and the PC is transmitted using network cables
- Use standard Ethernet cable, Ultra long distance transmission, up to 100 meters
- Wide Input Range DC12-24V
- DIN-rail mounting



NP-6310-A

Supercapacitor UPS with 12V/24V DC Backup Power



- 12V/24VDC Output, 9A Max – Ideal for embedded & automation systems
- Intelligent control with communication via Modbus RTU or I/O signaling
- 1080Ws Energy Storage ensuring extended backup operation
- Supports RS232 & RS485 for real-time monitoring
- DIN-Rail & Wall-Mounting Options for flexible installation
- Compact and fanless design for high-reliability applications



NP-6311

Supercapacitor UPS with 24V DC Backup Power



- 24V DC Output, 6A Max – Ideal for embedded & automation systems
- Support RS485, CAN2.0 B
- Support IO state feedback
- DC24V input, Overvoltage and reverse polarity protection
- Wall mounted or DIN Rail rail mounted installation (Optional)
- Support -20~60°C wide temperature working environment

PCIe Expansion Cards

PCIE4-4USB30

PCle x4 Quad-Port Type-A 5Gb USB 3.0 Adapter



- Controller: Renesas uPD720202
- Bracket Height: Full-Height
- Ports: 4 × USB 3.0 Type-A
- Port Speed: Up to 5Gbps
- Power Delivery: Max. 5V/2A per Port
- PCIe Bus: PCIe x4
- Power: PCIe Bus Power
- OS Support: Windows, Linux

PCIE1-2LAN-21x

PCle x1 Dual-Port Gigabit Ethernet Network Adapter (Intel® i210AT Based)



- Controller: Intel® i210AT
- Cable Type: 1000BASE-T, 100BASE-TX, 10BASE-T
- Bracket Height: Full-Height
- Ports: 2 × RJ45
- Port Speed: 10/100/1000Mbps
- PCIe Bus: PCIe x1
- Power: PCIe Bus Power
- OS Support: Windows, Linux

PCIE4-4LAN

PCle x4 Quad-Port Gigabit Ethernet Network Adapter (Intel® i210AT Based)



- Controller: Intel® i210AT
- Cable Type: 1000BASE-T, 100BASE-TX, 10BASE-T
- Bracket Height: Full-Height
- Ports: 4 × RJ45
- Port Speed: 10/100/1000Mbps
- PCIe Bus: PCIe x4
- Power: PCIe Bus Power
- OS Support: Windows, Linux

PCIE4-4LAN-POE

PCle x4 Quad-Port Gigabit PoE Ethernet Network Adapter (Intel® i210AT Based)



- Controller: Intel® i210AT
- Cable Type: 1000BASE-T, 100BASE-TX, 10BASE-T
- Bracket Height: Full-Height
- Ports: 4 × RJ45
- Port Speed: 10/100/1000Mbps
- PoE: IEEE 802.3af, Max. 15W per Channel
- PCIe Bus: PCIe x4
- Power: Motherboard Power
- OS Support: Windows, Linux

miniPCle Expansion Cards

MPCIE-1LAN-82574

miniPCle Single-Port Gigabit Ethernet Network Adapter (Intel® 82574L Based)



- Controller: Intel® 82574L
- Cable Type: 1000BASE-T, 100BASE-TX, 10BASE-T
- Bracket Height: Full-Height
- Ports: 1 × RJ45
- Port Speed: 10/100/1000Mbps
- Bus Interface: miniPCI Express
- Power: Mini PCIe Bus Power
- OS Support: Windows, Linux

MPCIE-2LAN-21x

miniPCle Dual-Port Gigabit Ethernet Network Adapter (Intel® i210AT Based)



- Controller: Intel® i210AT
- Cable Type: 1000BASE-T, 100BASE-TX, 10BASE-T
- Bracket Height: Full-Height
- Ports: 2 × RJ45
- Port Speed: 10/100/1000Mbps
- Bus Interface: miniPCI Express
- Power: Mini PCIe Bus Power
- OS Support: Windows, Linux

MPCIE-1LAN-R8111H

miniPCle Single-Port Gigabit Ethernet Network Adapter (Realtek 8111H Based)



- Controller: Realtek RTL8111H
- Cable Type: 1000BASE-T, 100BASE-TX, 10BASE-T
- Bracket Height: Full-Height
- Ports: 1 × RJ45
- Port Speed: 10/100/1000Mbps
- Bus Interface: miniPCI Express
- Power: Mini PCIe Bus Power
- OS Support: Windows, Linux

MPCIE-2LAN-R8111H

miniPCle Dual-Port Gigabit Ethernet Network Adapter (Realtek 8111H Based)



- Controller: Realtek RTL8111H
- Cable Type: 1000BASE-T, 100BASE-TX, 10BASE-T
- Bracket Height: Full-Height
- Ports: 2 × RJ45
- Port Speed: 10/100/1000Mbps
- Bus Interface: miniPCI Express
- Power: Mini PCIe Bus Power
- OS Support: Windows, Linux

miniPCle Expansion Cards

MPCIE-2CAN

miniPCle Dual-Port CAN Bus Adapter



- CAN Channels: 2 independent channels
- Protocols: CAN 2.0A & CAN 2.0B
- Host Interface: USB
- Baud Rate: 5 kbps to 1 Mbps
- Ports: 2 × DB9
- Power: Mini PCIe Bus Power
- OS Support: Windows, Linux (with socketCAN support)