

IC0320-83C

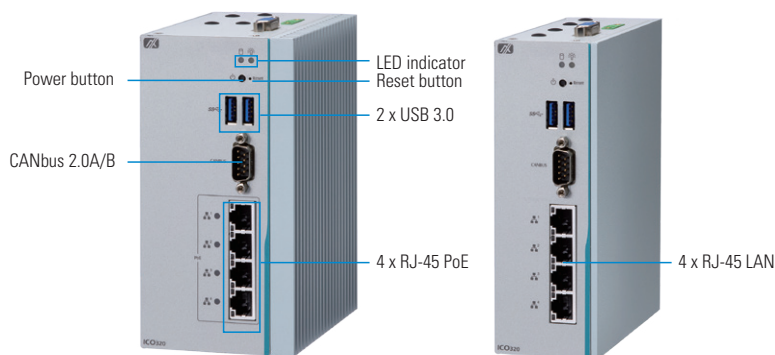
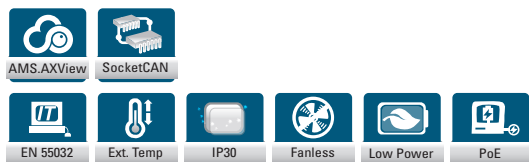
Robust DIN-rail Fanless Embedded System with Intel® Celeron® Processor N3350, COM or CAN, PoE LAN and DIO

Features

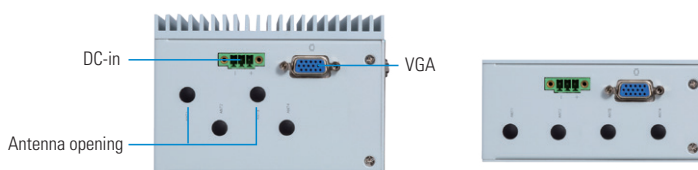
- Cost-effective with fanless and cableless design
- Intel® Celeron® processor N3350 processor, reliable F1 stepping version CPU
- 4 RJ-45 Gigabit PoE ports
- 8-bit programmable DIO for IoT gateway applications
- Wide operating temperature range from -40°C to +70°C
- 12 to 24 VDC wide range power input
- Supports SocketCAN
- AMS.AXView intelligent remote monitoring software for IIoT



▲ Bottom view



▲ Front view



▲ Top view (PoE version)



▲ Top view (LAN version)

Specifications

Standard Color	Silver	
Construction	Aluminum extrusion and heavy-duty steel, IP30	
CPU	Intel® Celeron® N3350 2C @1.1 GHz, TDP: 6W	
Chipset	SoC integrated	
System Memory	1 x DDR3L-1866 SO-DIMM slot, up to 8GB	
BIOS	AMI	
TPM	TPM 2.0	
System I/O Outlet	Serial	1 x DB9 serial console or RS-232/422/485
	Display	1 x VGA
	USB	2 x USB 3.0
	Ethernet	4 x RJ-45 isolated* 10/100/1000 Mbps Ethernet (Intel® i211-AT) *isolation voltage: 1.5 kV
	PoE	PoE power output max. 30W 802.3af class 2, 7.5W, max. 4 ports 802.3af class 3, 15.4W, max. 2 ports 802.3at class 4, 30W, max. 1 port
	DIO	1 x DB9 8-bit programmable DIO
	CAN	1 x DB9 CANBus 2.0 A/B, supports SocketCAN
Expansion Interface	Others	4 x Antenna opening
	1 x half-size Rev.1.2 PCI Express Mini Card slot: mSATA/USB/PCIe 1 x full-size Rev.1.2 PCI Express Mini Card slot: USB/PCIe with SIM socket	
Storage	SATA Drive	1 x mSATA (occupied 1 x PCI Express Mini Card slot) 1 x Internal 2.5" SATA drive (9.5 mm height)
	Watchdog Timer	255 levels, 1 to 255 sec.

Power	Power Supply	1 x DC power input with terminal block
	Power	PoE SKU**: 12-24Vdc, 4.05-2.05A
	Consumption	LAN SKU**: 12-24Vdc, 1.6-0.81A
PoE (PSE, Power Sourcing Equipment)*	4 x RJ-45 PoE, output max. 30W supports PoE & PoE+	
	• PoE (802.3af 15.4W/port) • PoE+ (802.3at 30W/port)	
System Indicator	1 x LED indicator for SATA drive activity 1 x LED indicator for power	
Operating Temperature	-40°C to +70°C (-40°F to +158°F) with W.T. peripheral***	
Humidity	0% to 95%, non-condensing	
Vibration Endurance	2 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating)	
Dimensions	PoE SKU**: 77 mm (3.03") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H)	
	LAN SKU**: 48 mm (1.88") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H)	
Weight (net/gross)	PoE SKU**: 1.2 kg (2.2 lb)/1.70 kg (3.3 lb)	
	LAN SKU**: 1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	
Certifications	CE (Class A), FCC (Class A) compliant	
EMC	CE/FCC	EN 55032 (Class A), EN 55024, FCC part 15 B (Class A)
EOS Support	Windows® 10 IoT, Linux	
Software Support	AMS.AXView	

* For PoE SKU

** See Ordering info

*** Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Ordering Information

Standard	
IC0320-83C-N3350-4POE-CAN-WT-DC (P/N: E22C320106)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1GHz), 2 COM, 4 RJ-45, PoE, GbE LAN, 2 USB, VGA, CAN, operating temperature from -40°C to 70°C, TPM 2.0 reserved, and SocketCAN supported <i>PoE SKU</i>
IC0320-83C-N3350-4LAN-COM-CAN-WT-DC (P/N: E22C320107)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1GHz), 2 COM, 4 RJ-45, GbE LAN, 2 USB, VGA, CAN, operating temperature from -40°C to 70°C, TPM 2.0 reserved, SocketCAN supported <i>Non-PoE LAN SKU</i>

* Specifications and certifications may vary based on different requirements.

Optional	
Communication Modules	8812C300GA0E 3G UC20GKit tBOX/ICO (20) (E)
	8812C300HA0E 3G/GPS UC20GKit tBOX/ICO (20) (E)
	8812C1200A0E AP12356 Wi-Fi kit for tBOX/ICO (E)
	8812C1201A0E AP12356 WT Wi-Fi kit for tBOX/ICO (E)
	8812C300IA0E LTE SIM7100JC kit for ICO (20) JPN SFP (E)
8812C300EA0E LTE SIMCOM SIM7100C (TW) for ICO300 SFP (E)	8812C300DA0E LTE SIMCOM SIM7100E (EU) for ICO300 SFP (E)

* Specifications and certifications may vary based on different requirements.

Dimensions

