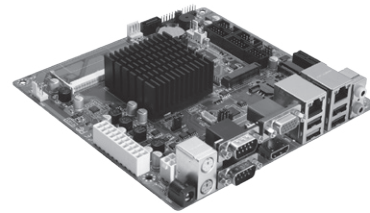
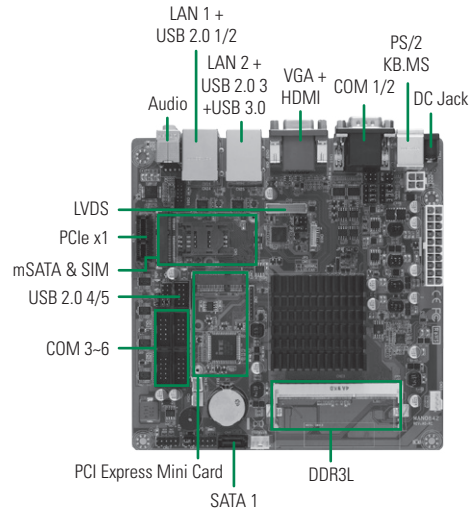


MANO842

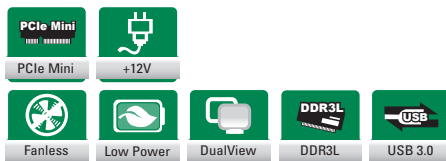
Mini-ITX with Intel® Celeron® Processor J1900 (up to 2.42 GHz), VGA/HDMI/LVDS, USB 3.0, Mini PCIe Card and HD Audio

Features

- Intel® Celeron® processor J1900 2.0 GHz
- 1 DDR3L-1333 SO-DIMM, up to 8GB
- PCIe x1 supported
- 1 USB 3.0 and 5 USB 2.0 ports
- 1 SATA-300 and 1 mSATA slots
- 6 COM ports
- 12 VDC and ATX
- VGA/HDMI/LVDS with dual-view supported



▲ Side view



Core System

| | |
|---------------------|--|
| CPU | Intel® Celeron® processor J1900 (up to 2.42 GHz) quad core SoC (Bay Trail) |
| System Memory | 1 x 204-pin DDR3L-1333 SO-DIMM dual channel, up to 8GB |
| Chipset | SoC integrated |
| BIOS | AMI |
| SSD | N/A |
| Watchdog Timer | 255 levels, 1 ~ 255 sec. |
| Expansion Interface | 1 x PCIe x1 1 x PCI Express Mini Card 1 x SIM card slot |
| Battery | Lithium 3V/220 mAh |
| Power Requirements | 12VDC or STD ATX |
| Size/Weight | 170 x 170 mm |
| Board Thickness | 1.6 mm |
| Temperature | 0°C ~ +60°C (32°F ~ 140°F), operation. |
| Operation Humidity | 10% ~ 95% relative humidity, non-condensing |

I/O

| | |
|-------------|--|
| MIO | 1 x PS/2 Keyboard & mouse 2 x RS-232/422/485 (rear I/O) 4 x RS-232 |
| SATA | 1 x SATA-300 1 x mSATA |
| Ethernet | 2 x Realtek RTL8111F for Gigabit LAN support WoL & PXE |
| Audio | HD Audio as Mic-in/Line-out with Realtek ALC662 |
| USB | 5 x USB 2.0 1 x USB 3.0; (rear I/O: 1 x USB 3.0+3 x USB 2.0) |
| TPM | N/A |
| Digital I/O | 8 Channels programmable |
| SM BUS | N/A |

Display

| | |
|-------------------|---|
| Chipset | Intel® HD graphics |
| Memory Size | Shared memory |
| Display Interface | 1 x VGA 1 x HDMI 1 x LVDS 18/24bit dual channel |

Packing List

| | |
|-----------------|------------------------|
| Standard | I/O Bracket, Driver CD |
|-----------------|------------------------|

Ordering Information

| | | |
|-----------------|---------------------------------|---|
| Standard | MANO842VHGGGA (P/N: E38M842101) | Mini-ITX SBC with Intel® Celeron® J1900, VGA/HDMI/LVDS, 2 GbE LANs, USB 3.0, PCI Express Mini Card and HD audio |
| Optional | 59411500600E | SATA power cable 4P 180 mm (RC) |

