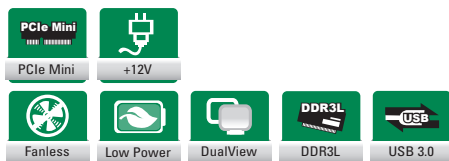
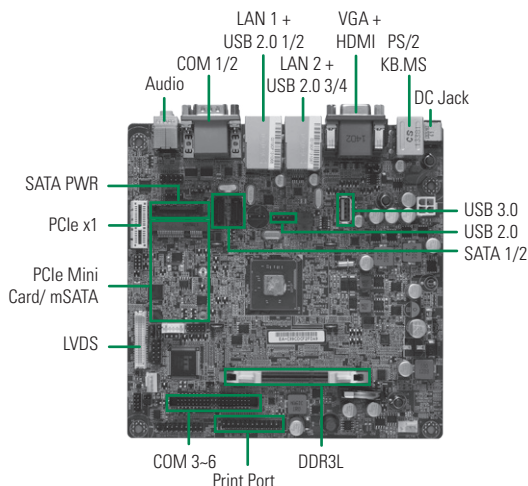


MANO840

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
- 2 SATA-300 and 1 mSATA slots
- 6 COM ports
- 12V DC Jack
- Dual view displays

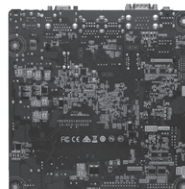


Core System

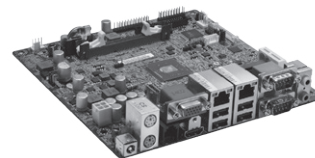
| | |
|---------------------|--|
| CPU | Intel® Celeron® processor J1900 (up to 2.42 GHz) quad core SoC (Bay Trail) |
| System Memory | 1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB |
| Chipset | SoC integrated |
| BIOS | AMI |
| SSD | N/A |
| Watchdog Timer | 255 levels, 1 ~ 255 sec. |
| Expansion Interface | 1 x PCIe x1 1 x PCI Express Mini Card |
| Battery | Lithium 3V/220 mAh |
| Power Requirements | 12V ATX or 12V DC-Jack |
| 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 1 x LPT 6 x RS-232 (1 RS-232 supports +5V/+12V by jumper) |
| SATA | 2 x SATA-300 1 x mSATA (by PCI Express Mini Card slot, shared with SATA2 Conn) |
| Ethernet | 2 Ports as 10/100/1000 Mbps with Realtek RTL8111G |
| Audio | HD Audio as Mic-in/Line-out with Realtek ALC269 |
| USB | 5 x USB 2.0 1 x USB 3.0 |
| TPM | N/A |
| Digital I/O | 8 channels programmable |
| SM BUS | N/A |



▲ Rear view



▲ Side view

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

| | |
|-------------------------------------|---|
| MANO840VHGGGA-030 (P/N: E38M840101) | Mini-ITX SBC with Intel® Celeron® J1900, VGA/HDMI/LVDS, 2 GbE LANs, USB 3.0, PCI Express Mini Card and HD audio |
|-------------------------------------|---|

Optional

| | |
|--------------|---|
| 593M8400300E | COM port cable for MANO840, P=2.0mm, L=300 mm |
| 59460412800E | USB cable A type DuPont 1 x 5, L=200 mm (RC) |
| 593M8400400E | Audio cable with bracket, P=2.54 mm L=300 mm |
| 593F2040300E | LPT cable with bracket, P=2.54 mm L=300 mm |