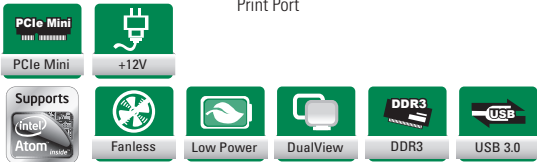
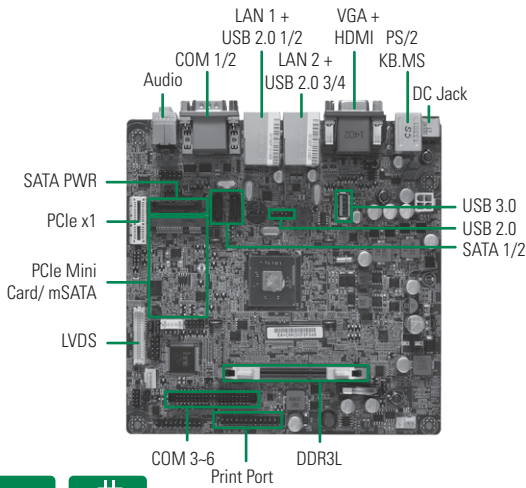


# MANO840

Intel® Bay Trail-D 2.0 GHz SoC Mini ITX, VGA/HDMI/LVDS, USB 3.0, PCI Express Mini Card, PCIe x1, and HD Audio



## System

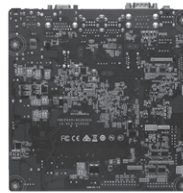
CPU	Intel® Celeron® Quad-Core J1900 2.0GHz SoC
System Memory	1 x 204-pin SO-DIMM dual channel DDR3L-1333, max. up to 8 GB
Chipset	N/A
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x PCIe x1 1 x PCI Express Mini Card
Battery	Lithium 3V/220 mAH
Power Requirements	12V ATX or 12V DC-Jack
Size/Weight	170 x 170 mm
Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

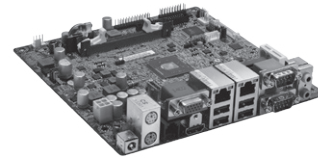
MIO	1 x PS/2 KB & MS 1 x LPT 6 x RS-232 (1 RS-232 supports +5V/+12V by jumper)
SATA	2 x SATA-300; 1 x mSATA (by PCI Express Mini Card Slot)
Ethernet	2 Ports as 10/100/1000 Mbps with Realtek RTL8111G
Audio	HD Audio as Mic-in/Line-out with Realtek ALC269
USB	5 x USB 2.0 1 x USB 3.0
TPM	N/A
Digital I/O	8 Channels programmable
SM BUS	N/A

## Features

- Intel® Bay Trail-D 2.0GHz SoC
- 1 DDR3L-1333 MHz max up to 8 GB
- PCIe x1 supported
- 5 USB 2.0 supported
- 1 USB 3.0 supported
- 2 SATA-300 supported
- mSATA supported
- 6 COM ports supported
- AT/ATX power supported
- 12V DC Jack supported
- Dual view display



▲ 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

## Ordering Information

### Standard

MANO840	Intel® Bay Trail-D Celeron® J1900 mini ITX, VGA/HDMI/LVDS, Dual LAN, USB3.0, PCIe x1, PCI express mini card and HD Audio.
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### Optional

59013DB0000E	LPT Cable L=330 mm
593M8400300E	COM port cable for MANO840 P=2.0 L=30 cm
59460412800E	USB Cable A TYPE Dupont 1 x 5 L: 200 mm (RC)