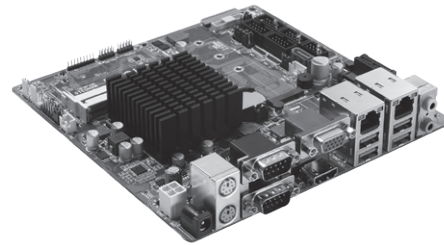
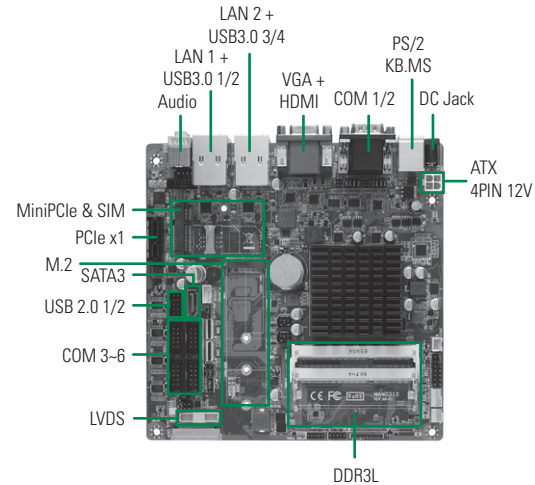


MANO310 NEW

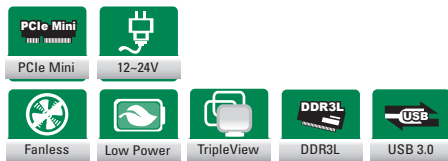
Mini-ITX SBC with Intel® Celeron® Processor N3350, VGA/HDMI/LVDS, USB 3.0, PCI Express Mini Card, M.2, and HD Audio

Features

- Intel® Celeron® processor N3350 (Apollo Lake)
- 2 DDR3L-1600 SO-DIMM, up to 8GB
- PCI Express Mini Card slot and PCIe x1
- 4 USB 3.0 and 2 USB 2.0 ports
- 1 SATA-600, 1 M.2 and 1 SDXC
- 6 COM ports supported
- 12~24 VDC
- VGA, HDMI and LVDS with triple-view supported



▲ Side view



Core System

CPU	Intel® Celeron® processor N3350 (Apollo Lake)
System Memory	2 x 204-pin DDR3L-1600 SO-DIMM dual channel, up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	SDXC Slot
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	12~24 VDC
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 and mouse 2 x RS-232/422/485 (Rear I/O) 4 x RS-232 (COM 3 with +5/+12V)
SATA	1 x SATA-600 1 x M.2
Ethernet	2 x Realtek RTL8111F for Gigabit LAN support WoL & PXE
Audio	HD Audio as Mic-in/Line-out with Realtek ALC662
USB	2 x USB 2.0 (internal) 4 x USB 3.0 (rear I/O)
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
-----------------	-------------

Ordering Information

Standard	
MANO310 (P/N: TBD)	Mini-ITX SBC with Intel® Celeron® processor N3350, VGA/HDMI/LVDS, 2 GbE LANs, 6 COM, USB 3.0, M.2, PCI Express Mini Card and HD audio
Optional	
59411500600E	SATA power cable 4P 18CM (RC)