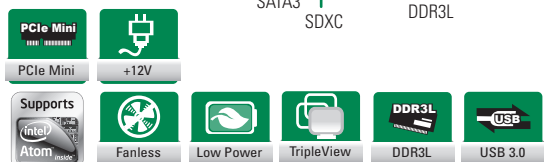
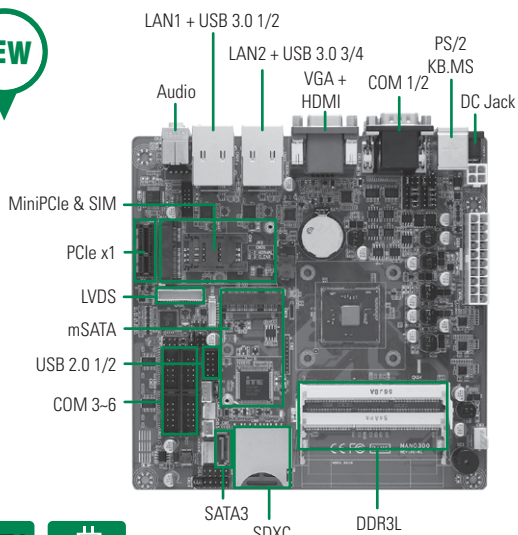


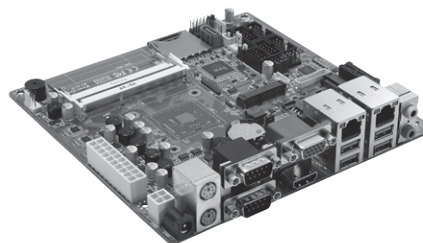
MANO300

Mini-ITX SBC with Intel® Celeron® Processor N3160 (up to 2.24 GHz) SoC, VGA/HDMI/LVDS, USB 3.0, PCI Express Mini Card, mSATA, PCIe x1, and HD Audio



Features

- Intel® Celeron® N3160 processor 2.24 GHz SoC (Braswell)
- 2 DDR3L-1333 MHz SO-DIMM max. up to 8 GB
- PCI Express Mini Card slot and PCIe x1 supported
- 4 USB 3.0 and 2 USB 2.0 ports
- 1 SATA-600, 1 mSATA and 1 SDXC supported
- 6 COM ports supported
- 12VDC and STD ATX supported
- VGA, HDMI and LVDS with triple view supported



▲ Side view

System

CPU	Intel® Celeron® processor N3160 (up to 2.24 GHz) quad core SoC (Braswell)
System Memory	2 x 204-pin SO-DIMM dual channel DDR3L-1333, max. up to 8 GB
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
Battery	Lithium 3V/220 mAh
Power Requirements	12VDC or STD ATX
Size/Weight	170 x 170 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 mSATA
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	
MANO300	Intel® Celeron® N3160 mini-ITX SBC with VGA/HDMI/LVDS, dual GbE, LANs 6 COM, USB 3.0, PCIe x1, mSATA, PCI Express Mini Card and HD audio
Optional	
59411500600E	SATA power cable 4P 18CM (RC)