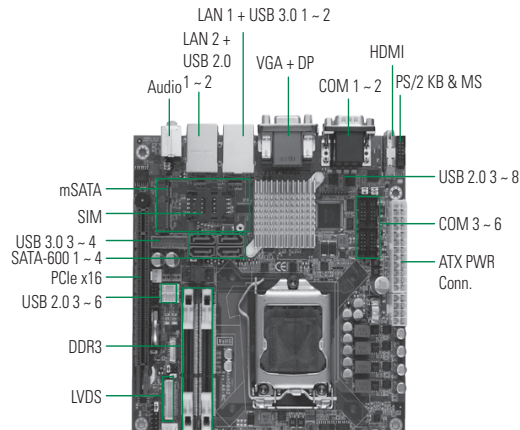


MANO882

Mini-ITX SBC with LGA1150 Socket Intel® Xeon® E3-v3 and 4th Gen Intel® Core™ Processor, Intel® C226, HDMI/DisplayPort/VGA/LVDS, Dual LANs and USB 3.0

Features

- LGA1150 socket Intel® Xeon® E3-v3 and 4th gen Intel® Core™ i7/i5/i3, Celeron® & Pentium® processor (Haswell/ Haswell Refresh)
- 2 DDR3-1333/1600 SO-DIMM, up to 16GB
- PCIe x16 Gen3 supported
- 4 SATA-600 with RAID 0/1/5/10
- mSATA and SIM slots
- Intel® AMT 9.0 (Intel® C226)
- TPM 1.2 supported
- HDMI/DisplayPort/VGA/LVDS with triple-view supported (DisplayPort is a must for triple view)

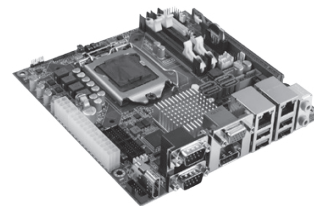


Core System

CPU	LGA1150 socket Intel® Xeon® E3-v3 and 4th gen Intel® Core™ i7/i5/i3, Celeron® & Pentium® processor (Haswell/ Haswell Refresh)
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM dual channel, up to 16GB
Chipset	Intel® C226 (Intel® H81 as option)
BIOS	AMI
SSD	N/A
Watchdog Timer	255 level, 1 ~ 255 sec
Expansion Interface	1 x PCIe x16 1 x PCI Express Mini Card slot (Full-size and shared mSATA) 1 x SIM Card slot (Intel® C226)
Battery	Lithium 3V/220 mAh
Power Requirements	Intel® i7-4770S +5V @ 2.62A, +12V @ 4.97A, +5VSB @ 0.04A, +3.3V @ 0.76A
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 (COM 1 ~ 2 with 5V/12V power; no rear IO) 4 x RS-232 (COM 3 ~ 6: by pin-header)
SATA	4 x SATA-600 with RAID 0/1/5/10 (Optional: Intel® H81 with 2 x SATA 600)
Hardware Monitoring	Detect CPU/System temperature, voltage and fan speed, smart fan supported.
Ethernet	1st port as 10/100/1000 Mbps supports WOL, PXE with Intel® i217LM (LAN 1) 2nd port as 10/100/1000 Mbps supports WOL, PXE with Intel® i210AT (LAN 2)
Audio	HD Audio as Mic-in/Line-out with Realtek ALC662
USB	Intel® C226: 4 x USB 3.0 (2 on rear IO, 2 on internal) 6 x USB 2.0 (2 on rear IO, 4 on internal) Intel® H81: 2 x USB 3.0 (2 on rear IO) 6 x USB 2.0 (2 on rear IO, 4 on internal)
TPM	Infineon TPM 1.2 SLB9635 (Intel® C226)
Digital I/O	8 channels Programmable (4-in & 4-out default)
SM BUS	N/A



▲ Side view

Display

Chipset	Intel® HD 4000/ 5000 graphics
Memory Size	Shared memory
Display Interface	1 x HDMI (Intel® C226) 1 x DisplayPort 1 x VGA 1 x LVDS 24 bit dual channel

Packing List

Standard	
I/O bracket, Driver CD, COM & SATA cable	

Ordering Information

Standard	
MANO882VPHGGA (P/N: E38M882100)	Mini-ITX SBC with LGA1150 socket Intel® Xeon® E3-v3 and 4th gen Core™ i7/i5/i3, Celeron® & Pentium® processor, Intel® C226, HDMI/DisplayPort/VGA/LVDS, 2 GbE LANs and USB 3.0
Optional	
MANO882VPGGA-H81 (P/N: E38M882101)	Mini-ITX SBC with LGA1150 socket Intel® 4th gen Core™ i7/i5/i3, Celeron® & Pentium® processor, Intel® H81, DisplayPort/VGA/LVDS, 2 GbE LANs and USB 3.0
5077L07C000E	LGA115x 1U fan back plate H:2.45 mm
50721127100E	LGA115x 1.5U fan JAC6L23C-C-H-35

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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