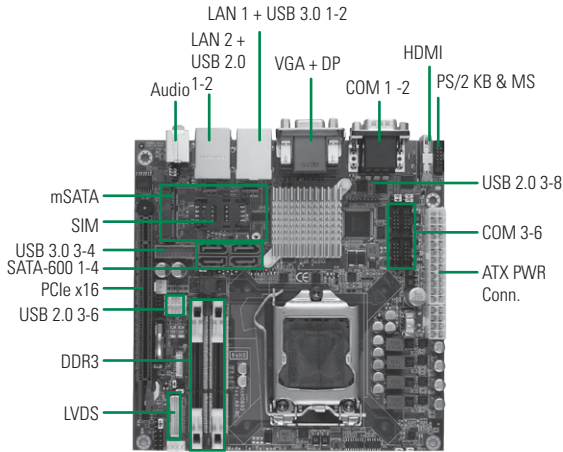


# MANO882

Mini-ITX SBC with LGA1150 Socket Intel® Xeon® E3-v3 and 4th Generation Intel® Core™ i7/i5/i3, Celeron® & Pentium® Processor, Intel® C226, HDMI/DisplayPort/ VGA/LVDS, Dual LANs and USB 3.0



## System

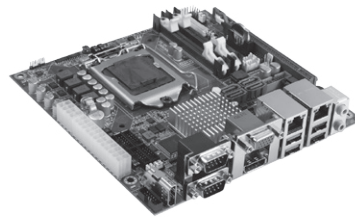
CPU	LGA1150 socket Intel® Xeon® E3-v3 and 4th generation Intel® Core™ i7/i5/i3, Celeron® & Pentium® processor (Haswell/ Haswell Refresh)
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM dual channel, max. up to 16 GB
Chipset	Intel® C226 (Intel® H81 as option)
BIOS	AMI
SSD	N/A
Watchdog Timer	255 level, 1 ~ 255 sec
Expansion Interface	1 x PCIe x16 1 x PCI Express Mini Card (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
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, on rear IO) 4 x RS-232 (COM 3-6; by pin header); COM 1, 2 with 5V/12V power
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 (LAN1) 2nd port as 10/100/1000 Mbps supports WOL, PXE with Intel® i210AT (LAN2)
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

## Features

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



▲ 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

<b>Standard</b>	I/O bracket, Driver CD, COM & SATA cable
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## Ordering Information

<b>Standard</b>	
MANO882	LGA1150 socket Intel® Xeon® E3-v3 and 4th generation Core™ i7/i5/i3, Celeron® & Pentium® (Haswell/Haswell Refresh) Mini-ITX SBC with Intel® C226, HDMI/DisplayPort/ VGA/LVDS, dual GbE LANs and USB 3.0
<b>Optional</b>	
MANO882-H81	LGA1150 socket Intel® 4th generation Core™ i7/i5/i3, Celeron® & Pentium® (Haswell/Haswell Refresh) Mini-ITX SBC with Intel® H81, DisplayPort/VGA/LVDS, dual GbE LANs and USB 3.0