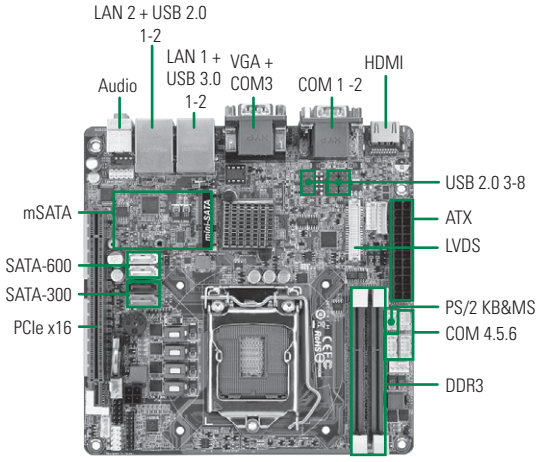
MANO881

LGA1150 Socket 4th Generation Intel® Core™ i7/i5/i3 & Celeron® Mini-ITX SBC with Intel® H81, HDMI/VGA/LVDS, Dual LAN and USB 3.0



DualView | DDR3 | USB 3.0 | PCIe Mini | Full Solid Cap Design

Features

- LGA1150 socket 4th generation Intel® Core™ i7/i5/i3 & Celeron® processors (Haswell/Haswell Refresh)
- 2 DDR3-1333/1600MHz max. up to 16 GB
- PCIe x16 Gen2 supported
- 1 mSATA supported
- 2 SATA-600, 2 SATA-300 supported
- 2 USB 3.0 and 8 USB 2.0 ports
- Dual view display
- Display: HDMI/VGA/LVDS

System

CPU	LGA1150 socket 4th generation Intel® Core™ i7/i5/i3 & Celeron® processor (Haswell/Haswell Refresh)
System Memory	2 x 204-pin SO-DIMM dual channel DDR3-1333/1600, max. up to 16 GB
Chipset	Intel® H81
BIOS	AMI
SSD	N/A
Watchdog Timer	255 level, 1 ~ 255 sec
Expansion Interface	1 x PCIe x16 Gen2 1 x mSATA
Battery	Lithium 3V/220 mAH
Power Requirements	i7-4770S 3.1GHz 4 GB x 1 DDR3-1333, +12V @ 5.2A, -12V @ 0.1A, +5V @ 2.2A, +5VSB @ 0.2A, +3.3V @ 0.9A
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 PS/2 header supports KB & MS 3 x RS-232/422/485 (COM 1 ~ 3) 3 x RS-232 (COM 4 ~ 6) COM 1 ~ 6 with 5V/12V power select
SATA	2 x SATA-300 2 x SATA-600
Hardware Monitoring	Detect CPU/System temperature, voltage and fan speed
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® i210 (LAN2)
Audio	HD Audio as Mic-in/Line-out with Realtek ALC662
USB	2 x USB 3.0 8 x USB 2.0
TPM	N/A
Digital I/O	8 Channels programmable
SM BUS	N/A

Display

Chipset	Intel® HD 4000/5000 series Graphics
Memory Size	Shared Memory
Display Interface	1 x HDMI 1 x VGA 1 x LVDS

Packing List

Standard
I/O Bracket, Driver CD

Ordering Information

Standard	
MANO881	LGA1150 socket mini ITX SBC with 4th generation Intel® Core™ i7/i5/i3 & Celeron®, USB 3.0, SATA 3.0 dual LAN, HDMI/VGA/ LVDS and mSATA
Optional	
593826A0000E	SATA signal Cable, L=500 mm
593M8810300E	COM PORT CABLE, P=2.0 L=300 mm
593M8810400E	USB cable with bracket, p=2.54 mm, L=200 mm
593M8400400E	Audio cable with bracket, p=2.54 mm, L=300 mm

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