

MANO871

Mini-ITX SBC with LGA1155 Socket 3rd Gen Intel® Core™ Processor, Intel® Q77, HDMI/DVI-I/LVDS, Dual LANs and USB 3.0

Features

- LGA1155 socket 3rd gen Intel® Core™ i7/i5/i3 & Celeron® processor
- 2 DDR3-1333/1600 SO-DIMM. up to 16GB
- PCIe x16 Gen 3 supported
- 2 SATA-600 and 2 SATA-300, support RAID 0/1/5/10
- 4 USB 3.0
- Intel® AMT 8.0 supported
- TPM 1.2 supported
- HDMI, DVI-I and LVDS with dual-view supported

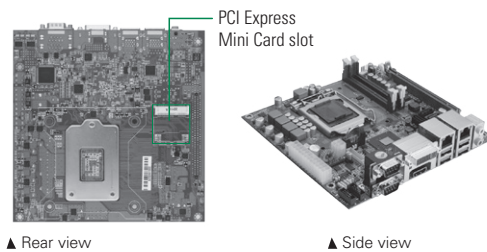
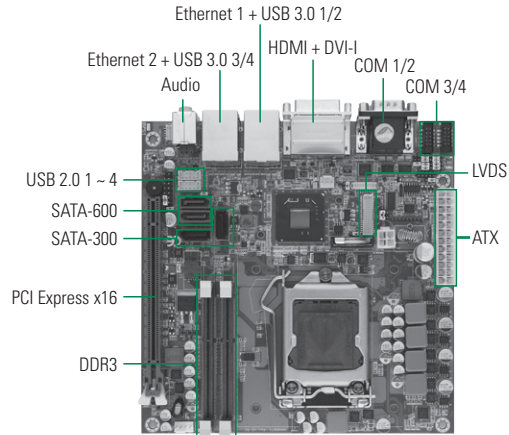


Core System

CPU	LGA1155 socket 3rd gen Intel® Core™ i7/i5/i3 & Celeron® processor
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM dual channel, up to 16GB
Chipset	Intel® Q77
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	N/A
Watchdog Timer	255 level, 1 ~ 255 sec.
Expansion Interface	1 x PCIe x16 Gen. 3 1 x PCI Express Mini Card slot
Battery	Lithium 3V/220 mAh
Power Requirements	Intel® Core™ i7-2700K 3.5 GHz, 8GB DDR3 1333 x 2 +5V @ 1.5A, +12V @ 6.8A, -12V @ 0.1A, +5VSB @ 0.5A, +3.3V @ 1.0A
Size	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 RS-232/422/485 (COM 1) 3 x RS-232 (COM 2 ~ 4) COM 1 and COM 3 with 5V/12V power
SATA	2 x SATA-300; 1 SATA-300 supports SATA DOM 2 x SATA-600, support RAID 0/1
Hardware Monitoring	Detect CPU/System temperature, voltage and fan speed
Ethernet	1st port as 10/100/1000 Mbps supports WOL, PXE with Intel® 82579LM/V (LAN 1) 2nd port as 10/100/1000 Mbps supports WOL, PXE with Intel® 82583V (LAN 2)
Audio	HD Audio as Mic-in/Line-out with Realtek ALC662
USB	4 x USB 3.0 4 x USB 2.0
TPM	Infineon TPM 1.2 SLB9635
SMBUS	N/A
Digital IO	8 channels (4-in & 4-out)



Display

Chipset	Intel® HD 4000/2500 graphics
Memory Size	Shared memory
Display Interface	1 x HDMI 1 x DVI-I 1 x LVDS

Packing List

User's manual/utility CD, cable

Ordering Information

Standard	
MANO871VGGA (P/N: E38M871100)	Mini-ITX SBC with LGA1155 socket 3rd gen Intel® Core™ i7/i5/i3 & Celeron®, HDMI/DVI-I/LVDS, 2 GbE LANs and USB 3.0
Optional	
5077L07C000E	LGA115x 1U fan back plate H:2.45 mm
50721127100E	LGA115x 1.5U fan JAC6L23C-C H=35

