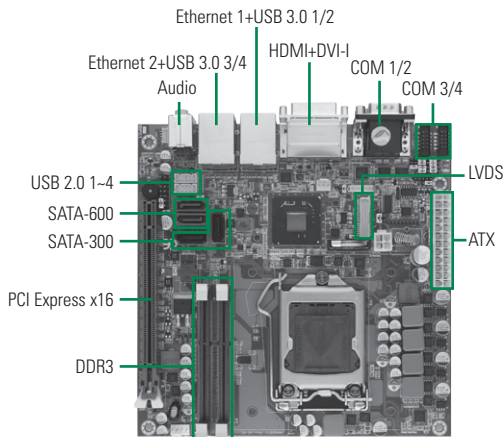


MANO871

LGA1155 Socket Intel® Core™ i7/ i5/ i3/ Celeron® Mini ITX SBC with Intel® Q77 PCH, HDMI/DVI-I/LVDS, Dual LANs and USB 3.0



System

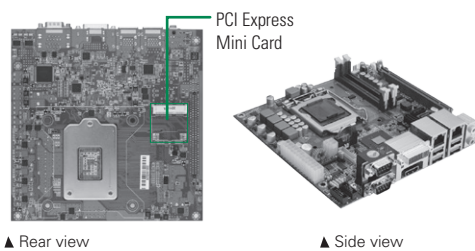
CPU	LGA1155 socket 3rd Generation Intel® Core™ i7/ i5/ i3/ Celeron® processors
System Memory	2 x 204-pin SO-DIMM dual channel DDR3-1333/1600 max. up to 16 GB
Chipset	Intel® Q77
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	N/A
Watchdog Timer	255 level, 1 ~ 255 sec
Expansion Interface	1 x PCIe x16 Gen3 1 x PCI Express Mini card
Battery	Lithium 3V/220 mAh
Power Requirements	Intel® Core™ i7-2700K 3.5 GHz, 8 GB 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° ~ +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 (COM2-4); 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 (LAN1) 2nd port as 10/100/1000 Mbps supports WOL, PXE with Intel® 82583V (LAN2)
Audio	HD Audio as Mic-in/Line-out with Realtek ALC662
USB	4 x USB 3.0 4 x USB 2.0
TPM	Infineon TPM1.2 SLB9635
SMBUS	N/A
Digital IO	8 channels (4-IN & 4-OUT)

Features

- LGA1155 socket 3rd Generation Intel® Core™ i7/ i5/ i3/ Celeron® processors
- Intel® Q77 PCH
- 2 DDR3-1333/1600 MHz max. up to 16 GB memory capacity
- PCIe x16 Gen 3 supported
- 2 SATA-600 with RAID 0,1
- 2 SATA-300 with 1 SATADOM supported
- 4 USB 3.0 supported
- iAMT 8.0 supported
- TPM 1.2 supported
- Dual view display



▲ Rear view

▲ Side view

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	
MANO871	LGA1155 socket Mini ITX SBC with Intel® Core™ i7/ i5/ i3/ Celeron®, HDMI/DVI-I/LVDS, 2 10/100/1000Mbps Ethernet and USB 3.0

SBC
Services
and Solutions

Systems
on
Modules

Embedded
SBCs
>EPIC

Embedded
SBCs
>3.5" Capa

Embedded
SBCs
>Nano-ITX

Embedded
SBCs
>Pico-ITX

Embedded
SBCs
>PC/104

Industrial
Mother-
boards

Slot
CPU
Cards

Accessories

Appendix

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Axiomtek:](#)

[MANO871VGGA](#)