

# MANO872

Mini-ITX SBC with LGA1155 Socket 3rd Gen Intel® Core™ Processor, Intel® Q77, DisplayPort/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 Gen3 supported
- 2 SATA-600 and 2 SATA-300 with RAID 0/1/5/10
- 4 USB 3.0
- Intel® AMT 8.0 supported
- TPM 1.2 supported
- DisplayPort, DVI-I and LVDS with triple-view supported

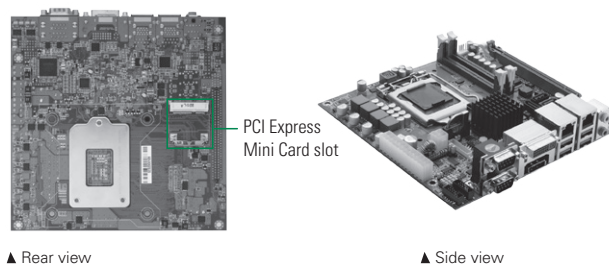
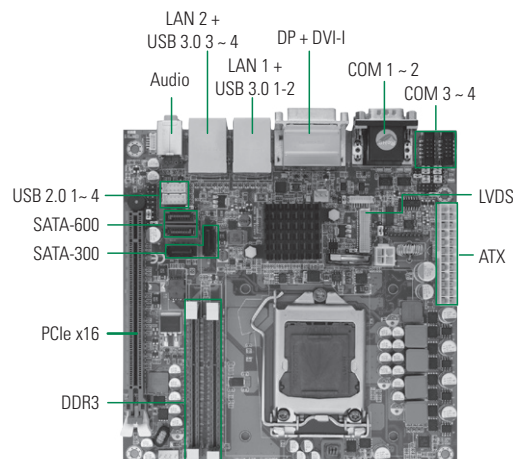


## Core System

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 Gen3 1 x PCI Express Mini Card slot
Battery	Lithium 3V/220 mAh
Power Requirements	i7-2700K: +5V @ 1.5A, +12V @ 6.8A, +5VSB @ 0.5A, +3.3V @ 1A
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 3 with 5V/12V power
SATA	2 x SATA-300, 2 x SATA-600, support RAID 0/1/5/10
Hardware Monitoring	Detect CPU/System temperature, voltage and fan speed
Ethernet	1st port as 10/100/1000 Mbps support WOL, PXE with Intel® 82579LM/V (LAN 1) 2nd port as 10/100/1000 Mbps support 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
Digital I/O	8 channels (4-in & 4-out)
SM BUS	N/A



▲ Rear view

▲ Side view

## Display

Chipset	Intel® HD 2000/3000/4000 graphics
Memory Size	Shared memory
Display Interface	1 x DisplayPort 1 x DVI-I 1 x LVDS

## Packing List

### Standard

User's manual/utility CD, cable, I/O bracket

## Ordering Information

### Standard

MANO872VGGA (P/N: E38M872100)	Mini-ITX SBC with LGA1155 socket 3rd gen Intel® Core™ i7/i5/i3 & Celeron®, DisplayPort/DVI-I/LVDS, 2 GbE LANs and 4 USB 3.0
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### Optional

5077L07C000E	LGA115x 1U fan back plate H:2.45 mm
50721127100E	LGA115x 1.5U fan JAC6L23C-C H=35

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