

# MANO861

Mini-ITX SBC with LGA1155 Socket 3rd Gen Intel® Core™ Processor, Intel® H61, VGA/DVI-D/LVDS, Dual LANs and HD Audio

## Features

- LGA1155 socket 3rd gen Intel® Core™ i7/i5/i3 & Celeron® processor
- Intel® H61
- 2 DDR3-1066/1333 SO-DIMM, up to 16GB
- 1 PCIe x4 supported
- 3 SATA-300
- 6 USB 2.0 ports
- 6 COM ports
- VGA/DVI-D/LVDS with dual-view supported

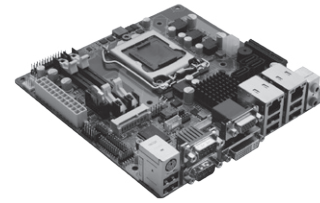
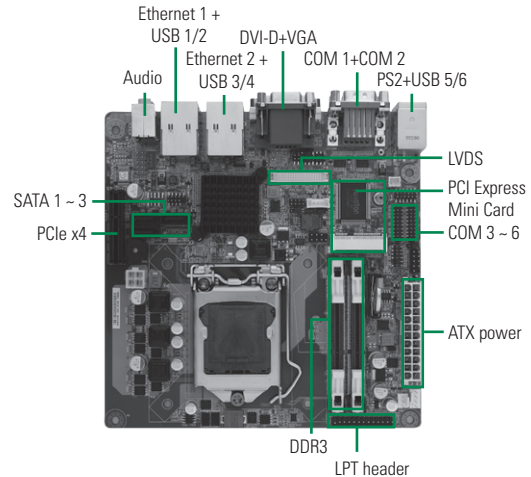


### Core System

CPU	LGA1155 socket 3rd generation Intel® Core™ i7/i5/i3 and Celeron® processors
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB
Chipset	Intel® H61
BIOS	AMI UEFI BIOS
SSD	N/A
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x PCIe x4 1 x PCI Express Mini Card (Shared USB & mSATA)
Battery	Lithium 3V/ 220 mAh
Power Requirements	+5V @ 1.7A, +12V @ 5.9A, +5Vsb @ 0.1A, +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) 5 x RS-232 (COM 2-6)
SATA	3 x SATA-300
Hardware Monitoring	Detect CPU/System temperature, voltage and fan speed
Ethernet	1st port as 10/100/1000 Mbps supports WOL, PXE with Realtek 8111E (LAN1) 2nd port as 10/100/1000 Mbps supports WOL, PXE with Realtek 8111E (LAN2)
Audio	HD audio as MIC-in/Line-out with Realtek ALC892
USB	6 x USB 2.0
TPM	N/A
SMBus	N/A
Digital IO	8 Channels (4-IN & 4-OUT)



▲ Side view

### Display

Chipset	Intel® Integrated graphics
Memory Size	Shared memory
Display Interface	1 x VGA 1 x DVI-D 1 x LVDS

### Packing List

User's manual/utility CD, cable

### Ordering Information

Standard	
MANO861VGG (P/N: E38M861100)	Mini-ITX SBC with LGA1155 socket 3rd generation Intel® Core™ i7/i5/i3 & Celeron®, VGA/DVI-D/LVDS, 2 GbE LANs, 6 COM and audio
Optional	
5938M861010E	COM Port Cable, 10 x 2P, P=2.0 mm, L=300 mm



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