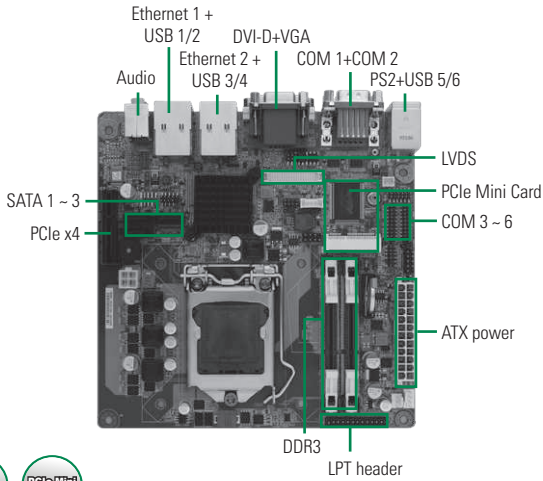


# MANO861

LGA1155 Socket Intel® Core™ i7/ i5/ i3/  
Celeron® Mini ITX SBC with Intel® H61 PCH,  
VGA/DVI-D/LVDS, Dual LANs and HD Audio



## System

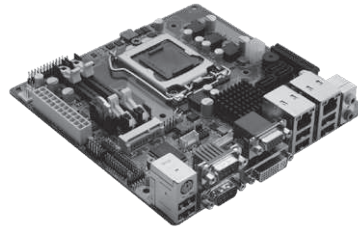
CPU	LGA1155 socket 3rd Generation Intel® Core™ i7/ i5/ i3/ Celeron® processors (Ivy Bridge)
System Memory	2 x 204-pin SO-DIMM dual channel DDR3-1333/1600 max. up to 16 GB
Chipset	Intel® H61
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x PCIe x4 1 x PCI Express Mini Card
Battery	Lithium 3V/ 220 mAH
Power Requirements	TBD
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) 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)

## Features

- LGA1155 socket 3rd Generation Intel® Core™ i7/ i5/ i3/  
Celeron® processors (Ivy Bridge)
- 2 DDR3-1066/1333 MHz max. up to 16 GB
- 1 PCIe x4 supported
- 3 SATA-300 supported
- 6 USB 2.0 supported
- 6 COM ports supported
- Dual view display



▲ 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

Quick installation guide, user's manual/utility CD, cable

## Ordering Information

Standard	
MANO861	LGA1155 socket Mini ITX SBC with Intel® Core™ i7/ i5/ i3/ Celeron®, VGA/DVI-D/LVDS, 2 10/100/1000Mbps, 6 COM and audio