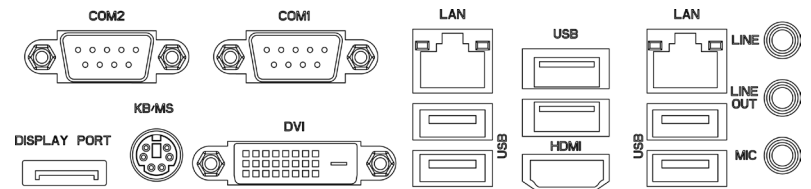


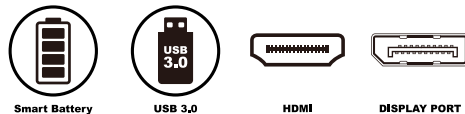
Features

- Socket G2 (rPGA988B) for Intel Core i7/i5/i3/Celeron (Ivy Bridge and Sandy Bridge).
- Intel® QM77 Chipset.
- Supports Smart Battery for portable applications.
- Supports DDR3 1600MHz, 2 x SO-DIMM, up to 16GB system memory.
- Integrated Intel® HD Graphics.
- 1 x DVI, 1 x HDMI, 1 x Display Port, 1 x Dual Channel 24-bit LVDS.
- Two Gigabit LAN: 1 x Realtek RTL8111F. 1 x Intel 82579LM.
- 4 x USB 3.0, 8 x USB 2.0, 2 x SATA3, 2 x SATA2.
- 2 x RS-232/422/485, 4 x RS-232.
- 1 x Mini-PCIe, 1 x PCIe x16*.
- Two RS-232/422/485, two USB 3.0, four USB 2.0, two Gigabit LAN ports, one HDMI, one DVI, one Display Port, one Audio on board edge.

*Up to 2 x PCIe x8 by riser card.



Specifications



Form Factor	
Dimensions	Mini-ITX (7.36 x 6.69 inch / 187 x 170 mm (L x W))
Processor system	
CPU	Mobile processor (IVY Bridge and Sandy Bridge) in Socket G2, supports 3rd and 2nd Generation Intel Core i7/i5/i3/Celeron
Core Number	(By CPU, Max 4)
Max Speed	(By CPU)
Chipset	QM77, BGA package (Southbridge)
BIOS	AMI BIOS
Expansion slots	
PCI	N/A
Mini-PCIe	1
mSATA	N/A
PCIe	1 x PCIe x16*. *Up to 2 x PCIe x8 by riser card
CFast Card Socket	N/A
Memory	
Memory	Dual Channel DDR3 1066/1333/1600 MHz SDRAM
Max.	16GB
Socket	2 x SO-DIMM
Graphics	
Controller	Intel HD Graphics (By CPU)
VRAM	Shared Memory
VGA	N/A
LVDS	Dual Channel 24-bit, max resolution 1920x1080@60Hz
HDMI	Supports max resolution 1920x1080
DVI	Supports max resolution 1920x1080
Display Port	Supports max resolution 2560x1600
Multi Display	YES *Support dual displays
Ethernet	
Interface	10/100/1000 Mbps
Controller	GbE LAN: Realtek RTL8111F. Intel 82579LM
Connector	2x RJ-45
SATA	
Max Data Transfer Rate	SATA3 (6.0Gb/s)

Rear I/O	
VGA	N/A
DVI	1
HDMI	1
DisplayPort	1
Ethernet	2
USB	6 (4 x USB 2.0, 2 x USB 3.0)
Audio	1 x Mic-in, 1 x Line-out, 1 x Line-in
Serial	2 x RS-232/422/485
eSATA	N/A
PS/2	1
Internal Connector	
USB	6 (4 x USB2.0 header, 2 x USB3.0 header)
LVDS / inverter	1
VGA	N/A
Serial	4
SATA	4 (2 x SATA2, 2 x SATA3)
mPCIe	1
Parallel	N/A
mSATA	N/A
GPIO 8-bit	1
SATA PWR Output Con	1
Speaker Header	1
Smart Battery Header	1
SIM card	N/A
Stackable I/O	N/A
Layer1	N/A
Layer2	N/A
Watchdog Timer	
Watchdog Timer	Programmable 1 - 255 sec
Power Requirements	
Power Requirement (Max)	24V DC-IN
Power Consumption (Max)	103W (CPU i7-3630QM, RAM 16GB)
Environment	
Operating Temperature	0-60°C (32~140°F)
Storage Temperature	-40~85°C (-40~185°F)
Relative Humidity	0~95%