

Features

- LGA1151 socket for Intel® 7th / 6th Gen. Core™ i7/i5/i3 and Pentium® Processor
- 4 DDR4 UDIMM(C236:ECC/non-ECC) (Q170:non-ECC) 2 DDR4 UDIMM(H110:non-ECC)
- 1 VGA, 1 DVI, 1 DP
- 6 COM, 6 USB 3.0(C236/Q170)|4 USB 3.0(H110), 4 USB 2.0
- Dual Gigabit LANs
- 6 SATA III RAID 0, 1, 5. 10(C236/Q170) | 4 SATA III(H110) non-RAID
- 1 PCIe (x16), 2 PCIe (x4)(C236/Q170)| 1 PCIe (x4)(H110), 1 PCIe (x1), 1 miniPCIe,
- Support 6 Serial ports

Specifications

System

CPU Support	LGA1151 socket for Intel® 7th / 6th Gen. Core™ i7/i5/i3 and Pentium/Celeron® processor
CPU	C236: E3-1275 v5, E3-1225 v5, E3-1268 v5, E3-1505M v5, E3-1505L v5, I3-6100TE H110/Q170: i7-6700(TE), i5-6500(TE), i3-6100(TE), Pentium G4400(TE), Celeron G3900(TE)
Chipset	Intel® C236 / H110 / Q170
DRAM	4 DDR4 UDIMM(C236:ECC/non-ECC)(Q170:non-ECC) 2 DDR4 UDIMM(H110:non-ECC)
BIOS	AMI UEFI BIOS
Watchdog	1~255 seconds watchdog timer selectable
Power Supply	ATX 24+ 4 power
Power Consumption	+5V:1.57A; +12V:5.09A; +3.3V:0.43A; +5VSB:0.16A (CPU: i7 6700 3.4GHz)
Dimension	244 x 244mm (9.6" x 9.6")
Certificate	CE/ FCC
OS Support	Windows 10(64), Windows 8.1(64), Windows 7 Pro(32/64)

I/O Ports

SATA Interface	6 x SATA III (6.0Gb/s) RAID 0,1,5,10 (C236 and Q170 SKU) 4 x SATA III (6.0Gb/s) (H110 SKU)
Expansion BUS	1 PCIe (x16), 2 PCIe (x4)(C236/Q170) 1 PCIe (x4)(H110), 1 PCIe (x1), 1 miniPCIe
LPC	1 x LPC pin-header (for TPM optional module)
Serial Port	6 x COM COM1-6 for RS-232, COM2 for RS-232/422/485 COM3/4 supports 5V/12V
Keyboard/Mouse	2 x PS/2 with mini DIN connectors
FAN	1 x CPU fan, 2 x system fans
LAN	LAN 1: Intel® PHY 219 LM (10/100/1000 Mbps) LAN 2: Intel® LAN 210 AT (10/100/1000 Mbps) Supports wake-on-LAN with ATX power
Audio	MIC / Line-in / Line-out ; High definition audio with Realtek ALC888S
Digital I/O	8 in/ 8 out
USB	6 USB 3.0, 4 USB 2.0(C236/Q170) , 4 USB 3.0, 6 USB 2.0(H110)

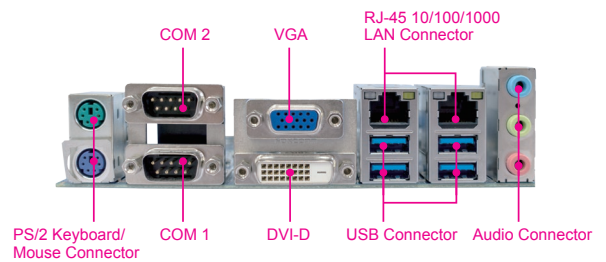
Graphics

VGA	1 x VGA up to 1920x1200 @60Hz
DVI	1 x DVI-D up to 2560x1600 @60Hz
Display Port	1 x display port up to 4096x2304 @60Hz

Environment

Operating Temp.	0° ~ 60°C (32° ~ 140° F)
Storage Temp.	- 40° ~ 85°C (- 40° ~ 185°F)
Humidity	Operation humidity 5 ~ 90% (non-condensing)

I/O Panel View



Ordering Information

Order No	Description
IPC-MP22509-00P	Intel i7/i5/i3 (LGA1151)+Q170, w/ VGA/DVI-D/DDR4/ 2LAN/6SATA/6COM
IPC-MP22509-11P	Intel i7/i5/i3 (LGA1151)+H110, w/ VGA/DVI-D/DDR4/2LAN/4SATA/6COM
IPC-MP22509-06P	Intel Keon E3/i3 (LGA1151)+C236, w/VGA/DVI-D/DDR4 (ECC)/2LAN/8SATA/6COM