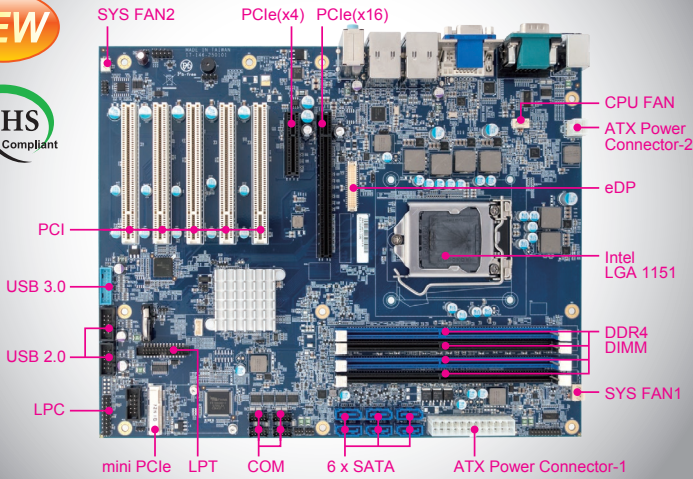


# IPC-MP22501

ATX MB Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® desktop and server processor (Skylake)



## 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 (option)  
1 eDP (for C236/Q170 only. on board)
- 6 USB 3.0+4 USB 2.0 (C236/Q170) | 4 USB 3.0+6 USB 3.0 (H110)
- Dual Gigabit LANs
- 6 SATA III RAID 0, 1, 5, 10(C236/Q170) | 4 SATA III(H110) non-RAID
- 1 PCIe (x16), 1 PCIe (x4), 5 PCI, 1 mini PCIe
- Support 2~6 Serial ports (C235=COM1~6, Q170=COM1~4, H110=COM1~2)

## 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, i3-6100(TE),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	305 x 244mm (12" 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), 1 PCIe (x4)(C236/Q170=Gen3)   (H110=Gen2), 5 PCI, 1 miniPCIe
LPC	1 x LPC pin-header
Serial Port	6 x COM (C235=COM1~6, Q170=COM1~4, H110=COM1~2) 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 I219 LM (10/100/1000 Mbps) LAN 2: Intel® LAN I211AT (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

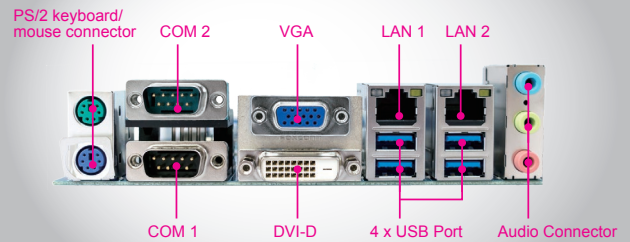
VGA	1 x VGA up to 1920x1200 @60Hz
DVI	1 x DVI-D up to 1920x1200@60Hz
eDP	1 x eDP up to 4096x2304@60Hz(for C236/Q170 only.)
Display Port(Optional)	1 x display port up to 4096x2304 @60Hz

\*The discrete graphics card is necessary for display if the integrated graphics support is not available in the CPU.

### Environment

Operating Temp.	0° ~ 60°C (32° ~ 104°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-MP22501-23P	HSF, ATX MB (LGA1151) w/ C236/ 4DDR4/ VGA+ DVI/ 2LAN/ 6COM/ Raid
IPC-MP22501-D3P	HSF, ATX MB (LGA1151) w/ C236/ 4DDR4/ DP/ 2LAN/ 6COM/ Raid
IPC-MP22501-17P	HSF, ATX MB (LGA1151) w/ Q170/ 4DDR4/ VGA+ DVI / 2LAN/ 4COM/ Raid
IPC-MP22501-D7P	HSF, ATX MB (LGA1151) w/ Q170/ 4DDR4/ DP/ 2 LAN/ 4COM/ Raid
IPC-MP22501-11P	HSF, ATX MB (LGA1151) w/ H110/ 2DDR4/ VGA+DVI /2LAN/ 2COM
IPC-MP22501-D1P	HSF, ATX MB (LGA1151) w/ H110/ 2DDR4/ DP/ 2LAN/ 2COM

## Packing List

Part No	Description
80-010-07001357	I/O shield
27-008-00001031	SATA cable / Quick guide / Driver CD

## Ordering Accessories

Part No	Description
27-006-00008112	Dual USB3.0 cable w/ bracket
27-006-03907211	Dual USB2.0 cable w/ bracket
81-003-18025144	CPU cooler (for 65W CPU)
81-003-19595001	CPU cooler (for 95W CPU)

Order No	Description
BR-8080RB-00P	DP/eDP to LVDS daughter board
BR-6061RA-00P	4 UART (RS232) half size card
BR-6061RA-03P	4 UART (RS422/485) half size card