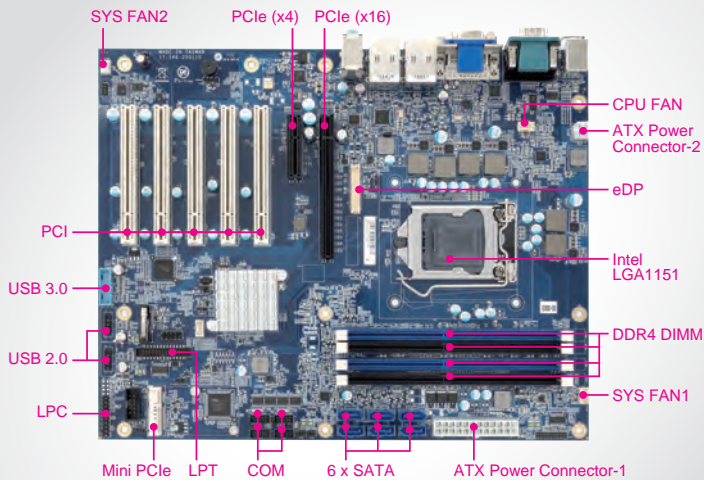


BA-2501

ATX Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® / Xeon® E3-1200 v6 / v5 CPU



Features



- Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 / Xeon® E3-1200 v6 / v5 CPU
- Supports ECC memory (C236 SKU only)
- 6 x COM, 2 x LAN, 10 x USB, 2 x PS/2
- 1 x VGA, 1 x DVI-D, 1 x eDP (internal)
- 6 x SATA, supporting RAID 0/1/5/10
- 1 x Mini PCIe slot
- 1 x PCIe (x16), 1 x PCIe (x4), 5 x PCI

Specifications

System

CPU Support	LGA1151 socket for Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 desktop CPU and Xeon® E3-1200 v6 / v5 server CPU
CPU List	Xeon®: E3-1275 v6, E3-1275 v5, E3-1225 v5, E3-1268 v5 7th Core™: i7-7700T(TE), i5-7500T(TE), i3-7100T(TE) 6th Core™: i7-6700(TE), i5-6500(TE), i3-6100(TE) Pentium®: G4400(TE) Celeron®: G3900(TE)
Chipset	Intel® C236 (supports Xeon® / Core™ / Pentium® / Celeron® CPU) Intel® H110/Q170 (supports Core™ / Pentium® / Celeron® CPU)
Memory Support	4 x DIMM sockets, supporting 1866/2133MHz DDR4 up to 64GB C236 SKU supports ECC memory H110 SKU supports only 2 x DIMM sockets (up to 32GB)
BIOS	AMI UEFI BIOS
Watchdog	1~255 seconds watchdog timer selectable
Power Supply	Supports ATX power (24+4 pin)
Power Consumption	+5V: 1.57A; +12V: 5.09A; +3.3V: 0.43A; +5VSB: 0.16A (CPU: i7 6700 3.4GHz)
Dimensions	305 x 244 mm (12" x 9.6")
Certifications	CE / FCC
O.S. Support	Windows 10 64bit / Windows 8.1 64bit / Windows 7 32/64bit

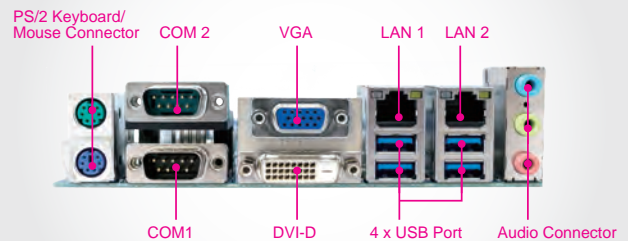
Graphics

Flexible Display	Standard SKU: 1 x VGA, 1 x DVI, 1 x eDP Customized SKU: 1 x DP, 1 x eDP (no compatible I/O shield)
VGA	1 x VGA (rear I/O) up to 1920 x 1200 @60Hz (default)
DVI	1 x DVI-D (rear I/O) up to 2560 x 1600 @60Hz (default)
eDP	1 x eDP (internal) up to 4096 x 2304 @60Hz (default, for C236/Q170 only)
DisplayPort	1 x DP (rear I/O) up to 4096 x 2304 @60Hz for customized SKU

Environment

Operating Temp.	0°C~60°C (32°F~140°F) @humidity 20%~90%
Storage Temp.	-40°C~85°C (-40°F~185°F) @humidity 20%~95%

I/O Panel View



I/O Ports

SATA Interface	6 x SATA 3.0 C236/Q170 SKU supports RAID 0/1/5/10/01 H110 SKU supports only 4 x SATA 3.0
Expansion Bus	Q170/C236 SKU: 1 x PCIe (x16), 2 x PCIe (x4), 1 x PCIe (x1) H110 SKU: 1 x PCIe (x16), 1 x PCIe (x4), 1 x PCIe (x1)
LPC	1 x LPC (pin header) for optional TPM module
Serial Ports	6 x COM (internal wafer) COM 1-6: RS-232 COM 2: RS-232/422/485 COM 3/4: supports 5V/12V
Keyboard/Mouse	2 x PS/2 (rear I/O)
FAN	1 x CPU fan, 2 x system fans (internal connector)
LAN	Dual LAN (2 x RJ45 on rear I/O) LAN 1: Intel® PHY 219LM (GbE) LAN 2: Intel® LAN 210AT (GbE) Supports Wake-On-LAN
Audio	Mic In / Line In / Line Out (rear I/O)
Digital I/O	8 in / 8 out (pin header)
USB	10 ports 4 x USB 3.0 (rear I/O) for C236/Q170 SKU only 4 x USB 2.0 (internal wafer) for all SKU 2 x USB 3.0 (box header) for all SKU 2 x USB 2.0 (rear I/O) for H110 SKU only 2 x USB 3.0 (rear I/O) for H110 SKU only

* All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information. For detail mechanics drawing, please contact our sales.