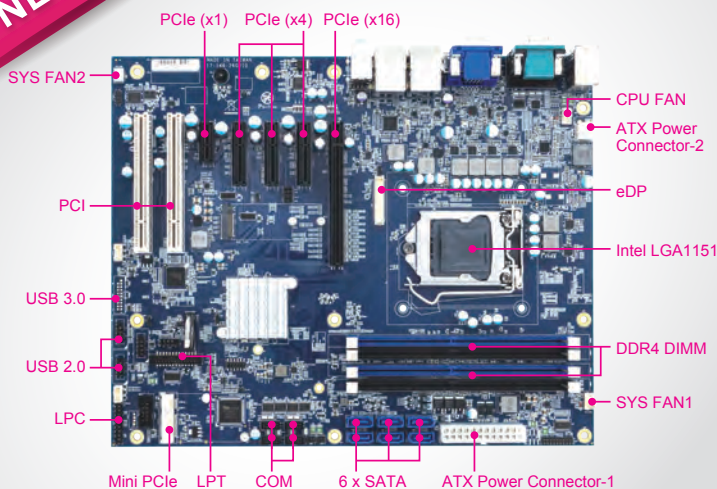


BA-2602

ATX Intel® 9th / 8th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® / Xeon® E-2200 / E-2100 CPU (≤65W)

NEW



Features



- Intel® 9th / 8th Gen. Core™ i7 / i5 / i3 / Xeon® E-2200 / E-2100 CPU (≤65W)
- 6 x COM, 2 x LAN, 12 x USB, 1 x PS/2
- 1 x VGA, 2 x DP, 1 x eDP (internal)
- 6 x SATA, supporting RAID 0/1/5/10
- 1 x Mini PCIe slot
- 1 x PCIe (x16), 3 x PCIe (x4), 1 x PCIe (x1), 2 x PCI

Specifications

System

CPU Support	LGA1151 socket for Intel® 9th / 8th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® desktop CPU / Xeon® E-2200 / E-2100 server CPU (≤65W)
CPU List	Xeon®: E-2278GE(GEL), E-2276GE, E-2176G, E-2124G 9th Gen. Core™: i7-9700E(TE), i5-9500E(TE), i3-9100E(TE) 8th Gen. Core™: i7-8700(T), i5-8500(T), i3-8100(T) Pentium®: G5400, G5400T Celeron®: G4900, G4900T
Chipset	Intel® C246 (support Xeon® / Core™ / Pentium® / Celeron® CPU) Intel® Q370/H310 (support Core™ / Pentium® / Celeron® CPU)
Memory Support	C246/Q370: 4 x DIMM sockets, support 2400/2666MHz DDR4 up to 64GB H310: 2 x DIMM sockets, support 2400/2666MHz DDR4 up to 32GB Support ECC (C246)/non-ECC (C246/Q370/H310)
BIOS	AMI UEFI BIOS
Watchdog	1~255 seconds watchdog timer selectable
Power Supply	Supports ATX power (24+4 pin)
Power Consumption	+12V: 1.7A; -12V: 0.1A; +3.3V: 0.33A; +5V: 1.12A; 5Vsb: 0.1A
Dimensions	305 x 244 mm (12" x 9.6")
Certifications	CE / FCC
O.S. Support	Windows 10 IoT Enterprise, Linux

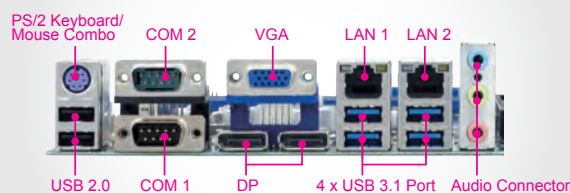
Graphics

Flexible Display	C246/Q370: 1 x VGA, 2 x DP, 1 x eDP, support triple independent display; H310: 1 x VGA, 2 x DP, support dual independent display
VGA	1 x VGA (rear I/O) up to 1920 x 1200 @60Hz (default)
DisplayPort	2 x DP (rear I/O) up to 4096 x 2304 @60Hz (default)
eDP	1 x eDP (internal) up to 4096 x 2304 @60Hz (default) (Only for C246/Q370)

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	C246/Q370: 6 x SATA 3.0, support RAID 0/1/5/10/01 H310: 4 x SATA 3.0, without RAID
Expansion Bus	C246/Q370: 1 x PCIe (x16), 3 x PCIe (x4), 1 x PCIe (x1), 2 x PCI, 1 x Mini PCIe H310: 1 x PCIe (x16), 1 x PCIe (x4), 2 x PCI (H310)
M.2 Slot	1 x M.2 slot support NVMe (PCIex4), 2242/2260, colay with 4th PCIe slot
LPC	1 x LPC (pin header)
Serial Ports	C246/Q370: 6 x COM ports COM 1/COM 2 in rear I/O, COM 2 for RS232/422/485, COM 3~6 internal wafer, COM 3/COM 4 for +5V and +12V H310: 4 COM ports COM 1/COM 2 in rear I/O, COM 2 for RS232/422/485 COM 3 & 4 internal wafer and +5V and +12V selected by jumper
Keyboard/Mouse	1 x PS/2 Combo connector for keyboard & mouse (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 211AT (GbE) Supports Wake-On-LAN & PXE
Audio	Mic In / Line In / Line Out (rear I/O) Internal 2 x 5 wafer, Pitch 2.0 (connected to front panel of chassis)
Digital I/O	8 in / 8 out (pin header)
USB	C246/Q370: 12 ports USB 1_2: 2 x external USB 3.1 stacked with LAN (rear I/O) USB 3_4: 2 x external USB 3.0 stacked with LAN (rear I/O) USB 5_6: 2 x internal USB 2.0 (pin header) USB 7_8: 2 x internal USB 3.0 (box header) USB 9_10: 2 x external USB 2.0 stacked with PS/2 Combo connector USB 11_12: 2 x internal USB 2.0 (pin header) H310: 10 ports USB 1_2: 2 x external USB 3.0 stacked with LAN (rear I/O) USB 3_4: 2 x external USB 2.0 stacked with LAN (rear I/O) USB 5_6: 2 x internal USB 2.0 (pin header) USB 7_8: 2 x internal USB 3.0 (box header) USB 9_10: 2 x external USB 2.0 stacked with PS/2 Combo connector

* 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.