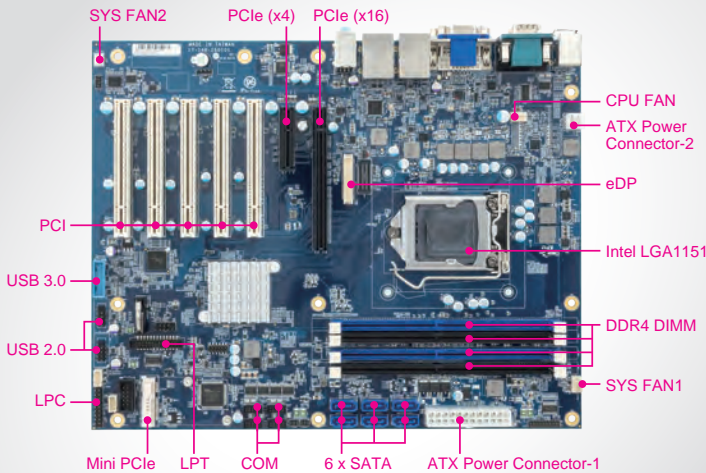


BA-2601

ATX Intel® 8th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® / Xeon® E-2100 CPU



Features



- Intel® 8th Gen. Core™ i7 / i5 / i3 / Xeon® E-2100 CPU
- 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 (C246 & Q370 SKU)
- 1 x Mini PCIe slot
- 1 x PCIe (x16), 1 x PCIe (x4), 5 x PCI

Specifications

System

CPU Support	LGA1151 socket for Intel® 8th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® desktop CPU / Xeon® E-2100 server CPU
CPU List	Xeon®: E-2100 8th Core™: i7-8700(T), i5-8500(T), i3-8100(T) Pentium®: G5400(T) Celeron®: G4900(T)
Chipset	Intel® C246 (supports Xeon® / Core™ / Pentium® / Celeron® CPU) Intel® H310/Q370 (supports Core™ / Pentium® / Celeron® CPU)
Memory Support	4 x DIMM sockets, supporting 2400/2666MHz DDR4 up to 64GB H310 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	TBD
Dimensions	305 x 244 mm (12" x 9.6")
Certifications	CE / FCC
O.S. Support	Windows 10 IoT Enterprise

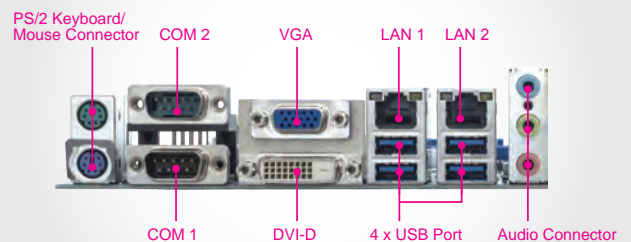
Graphics

Flexible Display	Standard SKU: 1 x VGA, 1 x DVI-D, 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 1920 x 1200 @60Hz (default)
eDP	1 x eDP (internal) up to 4096 x 2304 @60Hz (default)
DisplayPort	1 x DP (rear I/O) up to 4096 x 2304 @60Hz for customized SKU (replace VGA and DVI-D)

Environment

Operating Temp. 0°C~60°C (32°F~140°F) @humidity 20%~90%

I/O Panel View



I/O Ports

SATA Interface	6 x SATA 3.0 C246/Q370 SKU supports RAID 0/1/5/10/01 H310 SKU supports only 4 x SATA 3.0
Expansion Bus	Q370/C246 SKU: 1 x PCIe (x16), 1 x PCIe (x4), 1 x mini PCIe H310 SKU: 1 x PCIe (x16), 1 x PCIe (x4)
LPC	1 x LPC (pin header)
Serial Ports	6 x COM 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 COM 5/COM 6 for C246 SKU only
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 211AT (GbE) Supports Wake-On-LAN & PXE
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 3.1 (rear I/O) for C246/Q370 SKU only 2 x USB 3.1 (rear I/O) + 2 x USB 2.0 (rear I/O) for H310 SKU only; 2 x USB 3.0 box header on board; 4 x USB 2.0 pin header on board

* 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.