

QBIX-JMB-CFLA310HG-A1

Industrial system with Intel® H310 Chipset, support of Intel® 9th/8th Gen Processors and Discrete GFX card support



Features

- System Size : 224W x 343D x 146H(mm) - Discrete GFX support (optional)
- Intel® 9th/8th Gen Processor, max TDP 65W
- Dual Channel DDR4, 2 x SO-DIMMs
- DVI-D, VGA & DP ports for multiple display
- 4 x GbE LAN Ports
- 4 x COM Ports
- 8 x USB Ports

Graphic support	Integrated Graphics Processor - Intel® HD Graphics support: 1 x DP port, supporting a maximum resolution of 4096x2160 @30Hz 1 x DVI-D port, supporting a maximum resolution of 1920x1080 @60Hz 1 x VGA port, supporting a maximum resolution of 1920x1200 @60Hz (2 independent display outputs)
Audio	Realtek® Audio codec
Storage	3 x 2.5" HDD/SSD (SATA 6Gb/s)
Expansion Slots	1 x 2280 M.2 M-Key (SATA 6Gb/s) 1 x 2230 M.2 E-Key (WiFi/BT) 1 x Full-size Mini PCIe with SIM slot (PCIe x1 + USB2.0) -- support 3G/4G module 1 x PCIe slot -- Discrete riser card support
Front I/O	1 x Power Switch/Power/HDD LED 3 x Audio Jacks (Line in, Line out, Mic in) 1 x Display port 1 x DVI-D 1 x VGA 2 x COM Ports (RS-232/422/485 & RI/5V/12V) 2 x COM Ports (RS-232) 4 x RJ45 LAN Ports 4 x USB 3.2 Gen 1 4 x USB 2.0 1 x 4 pin Terminal Block 2 x External Antenna Holes (optional)
Riser card (optional)	PCIe x4 (Gen3 x1) PCIe x16 (Gen3 x16) -- Discrete GFX card, max. 250W, max length 293mm
Rear I/O	—
Power	+24V~48VDC (full Range) -- Support discrete GFX card
Operation temperature	For Main system : Operating temperature: -20°C to 50°C (CPU TDP 65W) Operating temperature: -20°C to 60°C (CPU TDP 35W) For Full system : Depends on the Graphic cards installed in the system Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 0%-95% (non-condensing) Use wide temperature range memory and storage
Vibration During Operation	Operation: IEC 60068-2-64, 3 Grms, random, 5 ~ 500 Hz, 1 hr / Per Axis, With SSD/M.2 2280 Non-operation: IEC 60068-2-6, 2 G, Sine, 10 ~ 500 Hz, 1 Oct/min, 1 hr / Per Axis
Shock During Operation	Operation: IEC 60068-2-27, 50 G, half sine, 11 ms duration, With SSD

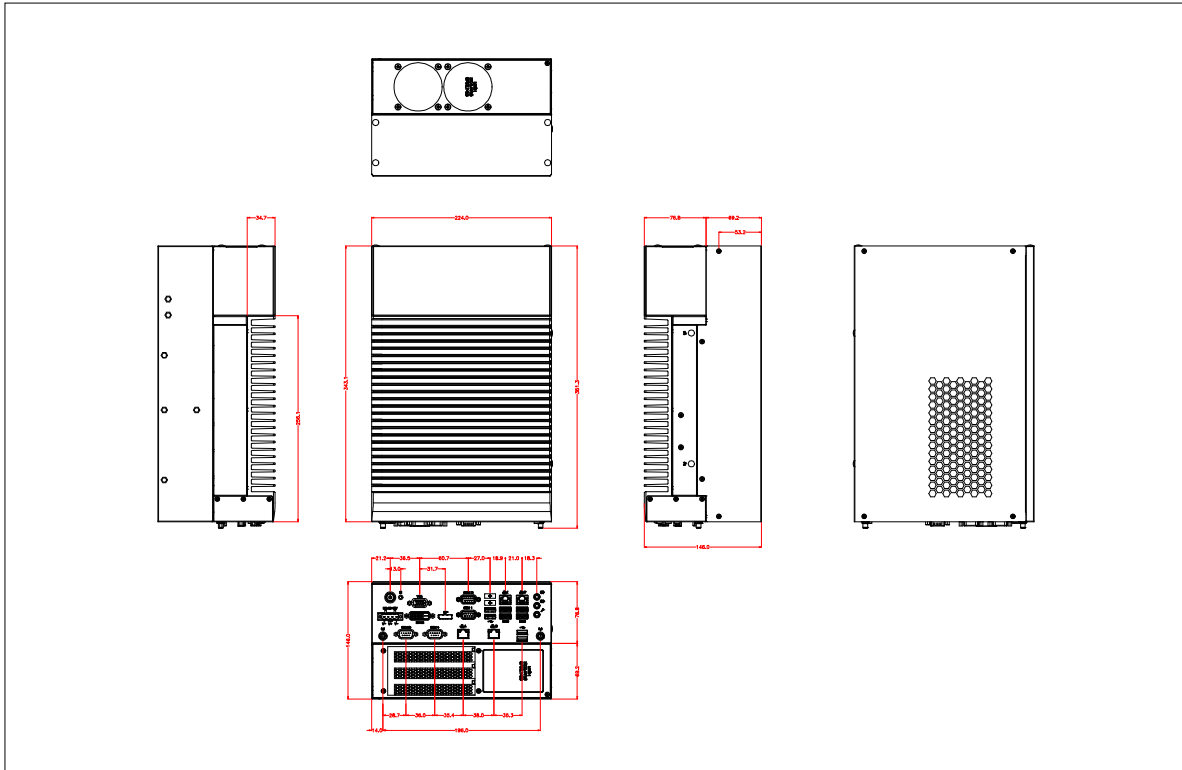
Specifications

Dimension	224W x 343D x 146H(mm) - Discrete GFX max 250W support (optional)
CPU	Support for 9th/8th Generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® processors in the LGA1151 package TDP under 65W
Chipset	Intel® H310 Express Chipset
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 32GB Support Dual channel DDR4 2666/2400 MHz memory modules
Ethernet	1 x GbE LAN Port (Intel® I219V) 3 x GbE LAN Ports (Intel® I211AT)

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Dimension

Unit: mm



Packing Content

- Carton size: 460 x 315 x 279 (mm)
- Packing Capacity: 1pc
- Including:
 - Power Cable #20 350mm x 1 (P/N: 25CRI-350902-H3R)
 - Screw M3x4L x 12 (P/N: 25984G-1C014-S00)
 - Screw M3x5L x 8 (P/N: 25983G-1C011-S00)
 - Screw #6-32x5L x 3 (P/N: 2598EG-1C002-S00)
 - Terminal Blocks Male Plug x 1 (P/N: 25I00-2ESDV0-D2R)

Order Information

- System : 9BQJH310AMR-SI & 6BQJH310APR-SI
(Built in Components: Please contact with your sales representative for more information or e-mailed to : sales@gigaipc.com)

Optional Kit

- TPM 2.0 module P/N: 9CTM000NR-00

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