



## QBiX-JMB-ADLA67EHG-A1

Industrial system with Intel® Q670E Chipset, support for Intel® 13th/12th Gen Processors and Discrete GFX card

### Key Features

- System Size : 224W x 343D x 146H(mm) - Discrete GFX card support (optional)
- Support Intel® 13th/12th Gen Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- DVI-D, VGA & DP ports for multiple display
- 1 x 2.5GbE LAN Port
- 3 x GbE LAN Ports
- 4 x COM Ports
- 10 x USB Ports

### Application

- Factory Automation
- Transportation
- Machine Vision

# SPECIFICATION

## Specification

Dimension	224W x 343D x 146H(mm) - Discrete GFX support (Optional)
CPU	Support for 13th/12th Generation Intel® Core™ i9/i7/i5/i3, Pentium® and Celeron® processors in the LGA1700 package TDP under 65W
Chipset	Intel® Q670E Express Chipset
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 64 GB Support Dual channel DDR4 3200 MHz memory modules
Ethernet	1 x 2.5GbE LAN Port (Intel® I226V) 1 x GbE LAN Port (Intel® I219LM, Vpro support) 2 x GbE LAN Ports (Intel® I211AT)
Graphic Support	Integrated Graphics Processor - depends on CPU: 1 x DP port, supporting a maximum resolution of 4096x2160 @60Hz 1 x DVI-D port, supporting a maximum resolution of 1920x1080 @60Hz 1 x VGA port, supporting a maximum resolution of 1920x1200 @60Hz  (3 independent display outputs)
Audio	Realtek® ALC897
Storage	4 x 2.5" HDD/SSD (SATA 6Gb/s) -- support RAID 0/1/5/10
Expansion Slots	1 x 2280 M.2 M-Key (PCIe Gen4x4) 1 x 2230 M.2 E-Key (WiFi/BT) 1 x Full-size Mini PCIe with SIM slot 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 2 x USB 3.2 Gen 2x1 2 x USB 3.2 Gen 1 6 x USB 2.0

	1 x 4-pin Terminal Block 2 x External Antenna Holes (Optional)
<b>Riser card (Optional)</b>	1 x PCIe x4 (Gen3 x4) 1 x PCIe x16 (Gen3 x16)
<b>Power</b>	+24V~48VDC (Full Range) -- Support discrete GFX card
<b>Operation Temperature</b>	<p>For Main system :</p> <p>Operating temperature: -20°C to 50°C (CPU TDP 65W)</p> <p>Operating temperature: -20°C to 60°C (CPU TDP 35W)</p> <p>For Full system :</p> <p>Depends on the Graphic cards installed in the system</p> <p>Operating humidity: 0-90% (non-condensing)</p> <p>Non-operating temperature: -40°C to 85°C</p> <p>Non-operating humidity: 0%-95% (non-condensing)</p> <p>Use wide temperature range memory and storage</p>
<b>Vibration During Operation</b>	<p>Operation: IEC 60068-2-64, 1 Grms, random, 5 ~ 500 Hz, 1 hr / Per Axis, With SSD/M.2 2280 &amp; Without Graphics Cards</p> <p>Non-operation: IEC 60068-2-6, 2 G, Sine, 10 ~ 500 Hz, 1 Oct/min, 1 hr / Per Axis</p>
<b>Shock During Operation</b>	Operation: IEC 60068-2-27, 50 G, half sine, 11 ms duration, With SSD
<b>Order Information</b>	<p>System : 9BQJQ67EAMR-SI + 6BQJH310APR-SI</p> <p>(Built in Components: Please contact with your sales representative for more information or e-mailed to : sales@gigaipc.com)</p>