

## QBIX-JMB-CMLA47EH-A1

Industrial System with Intel® Q470E Chipset, Support for Intel® 10th Gen Processor/ Display Port/ DVI-D port/ VGA port/ 4 x USB 3.2 Gen 1/ 6 x USB 2.0/ 4 x COM Ports/ 4 GbE LAN Ports/ M.2 slots



### Features

- System Size: 224W x 256.1D x 77.7H (mm)
- Intel® 10th Gen Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- DVI-D, VGA & DP Ports for Multiple Display
- 4 x GbE LAN Ports
- 4 x COM Ports
- 10 x USB Ports

### Specifications

Dimension	224W x 256.1D x 77.7H(mm)
CPU	Support for 10th Generation Intel® Core™ i9/i7/i5/i3 processors in the LGA 1200 package
Chipset	Intel® Q470E Chipset
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 64GB Support Dual channel DDR4 3200 MHz memory modules
Ethernet	1 x GbE LAN Port (Intel® I219V) 3 x GbE LAN Ports (Intel® I211AT)
Graphic support	Integrated Graphics Processor - Intel® HD Graphics support: 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® Audio codec

Storage	4 x 2.5" HDD/SSD (SATA 6Gb/s)
Expansion Slots	1 x 2280 M.2 M-Key (PCIe x4, SATA 6Gb/s) 1 x 2230 M.2 E-Key (WiFi/BT) 1 x Full-size Mini PCIe with SIM slot
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 6 x USB 2.0 1 x 4-pin Terminal Block 2 x External Antenna Holes (Optional)
Riser card (optional)	—
Rear I/O	—
Power	+12V~48VDC (Full Range)
Operation Temperature	Operating temperature: -20°C to 50°C (CPU TDP 65W) Operating temperature: -20°C to 60°C (CPU TDP 35W) 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

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