

## QBiX-Expert-TGLA1165G7H-A1

Industrial system with Intel® Core™ i7-1165G7 Processor/ Fanless Design / Dual Channel DDR4 up to 64 GB/  
2 x HDMI



### Features

- System Size : 210.36W x 165D x 67H (mm)
- Intel® Core™ i7-1165G7 Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x HDMI for Dual display
- 4 x GbE LAN Ports with PoE 15W/Port
- 2 x GbE LAN Ports

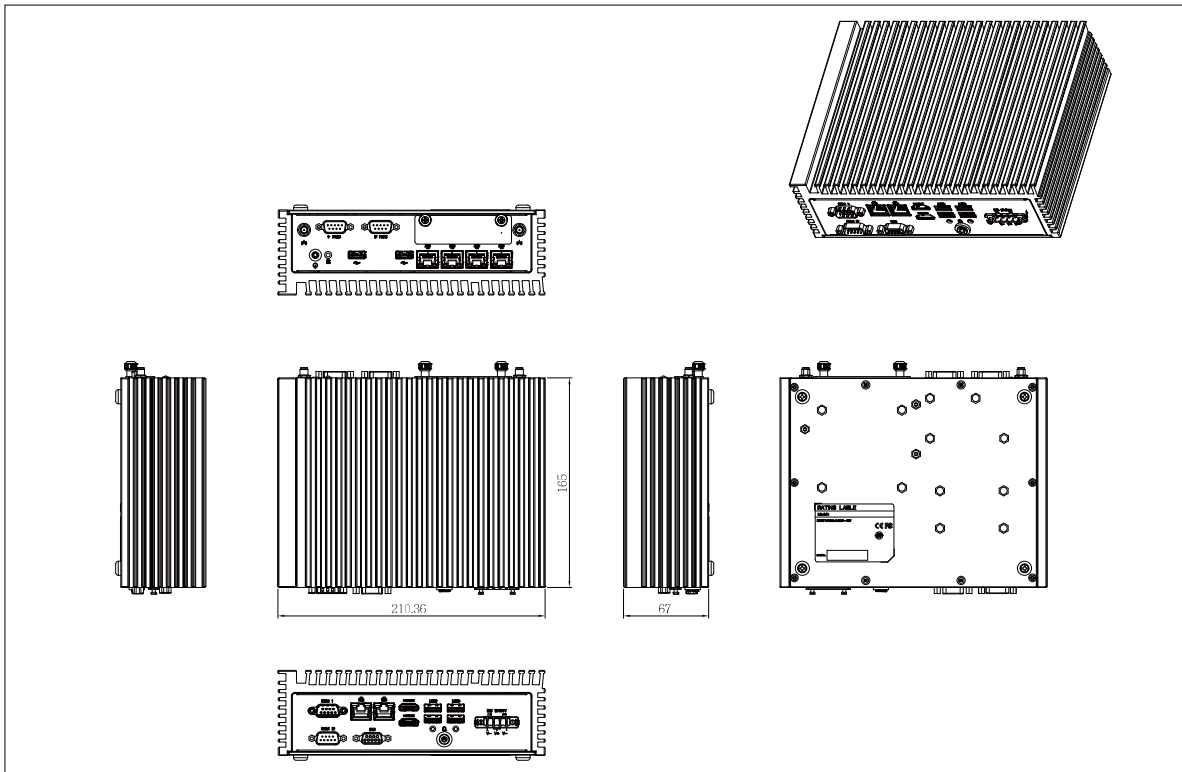
### Specifications

Dimension	System Size : 210.36W x 165D x 67H(mm)
CPU	Intel® Core™ i7-1165G7 Processor 10nm SuperFin, 4 cores, 8 threads, up to 4.7 GHz
Chipset	SoC
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 64 GB Support Dual Channel DDR4 3200 MHz memory modules
Ethernet	2 x GbE LAN Ports (Intel® I219V & Intel® I211AT) 4 x PoE GbE LAN Ports (Intel® I211AT)
Graphic support	Integrated Graphics Processor - Intel® Iris Xe Graphics: 2 x HDMI 2.0 ports, supporting a maximum resolution of 4096x2304 @60Hz  (2 independent display outputs)
Audio	Realtek® Audio codec
Storage	1 x Swappable 2.5" HDD/SSD (SATA 6Gb/s)
Expansion Slots	1 x 2280 M.2 M-Key (PCIe x2, SATA 6Gb/s) 1 x 2230 M.2 E-Key (WiFi/BT) 1 x Full-size Mini PCIe with SIM slot
Front I/O	4 x RJ45 LAN Ports with PoE 2 x USB 2.0 1 x Power button with LED 1 x HDD LED 2 x COM Ports (RS-232/422/485) 2 x External Antenna Holes (Optional)
Rear I/O	2 x RJ45 LAN Ports 4 x USB 3.2 Gen 2x1 1 x COM Port (RS-232/422/485 & RI/5V/12V) 1 x COM Port (RS-232/422/485) 1 x GPIO (8 bits) 1 x Headphone Jack 1 x 4-pin Terminal Block
Side I/O	—
TPM	—
Power	+12~24VDC / 13A (PoE support)
Operation temperature	Operating temperature: 0°C to 50°C 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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## Dimension

Unit: mm



## Packing Content

- Carton size: 572 x 321 x 372 (mm)
- Packing Capacity: 4pcs
- Including:
  - Terminal Blocks Male Plug x 1 (P/N: 25100-2ESDV0-D2R)
  - Screw For 2.5" HDD M3x4L x 8 (P/N: 25984G-1C014-S00)
  - Thermal Pad for Memory x 1 (P/N: 25ST3-200086-T5R)

## Order Information

- System: 6BQE1165AMR-SI (Box Packing)

2022/08/24

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