

QM-G700A

Fanless Industrial system including PICO size board with MediaTek Genio 700/ Fanless Design/ Onboard 8GB LPDDR4x / 1 x HDMI



Features

- System Size : 112W x 75.5D x 30.55H (mm)
- MediaTek Genio 700 (MT8390)
- Onboard 8GB LPDDR4x
- eMMC 64GB
- Fanless design
- Operating Temp. -20°C to 60°C

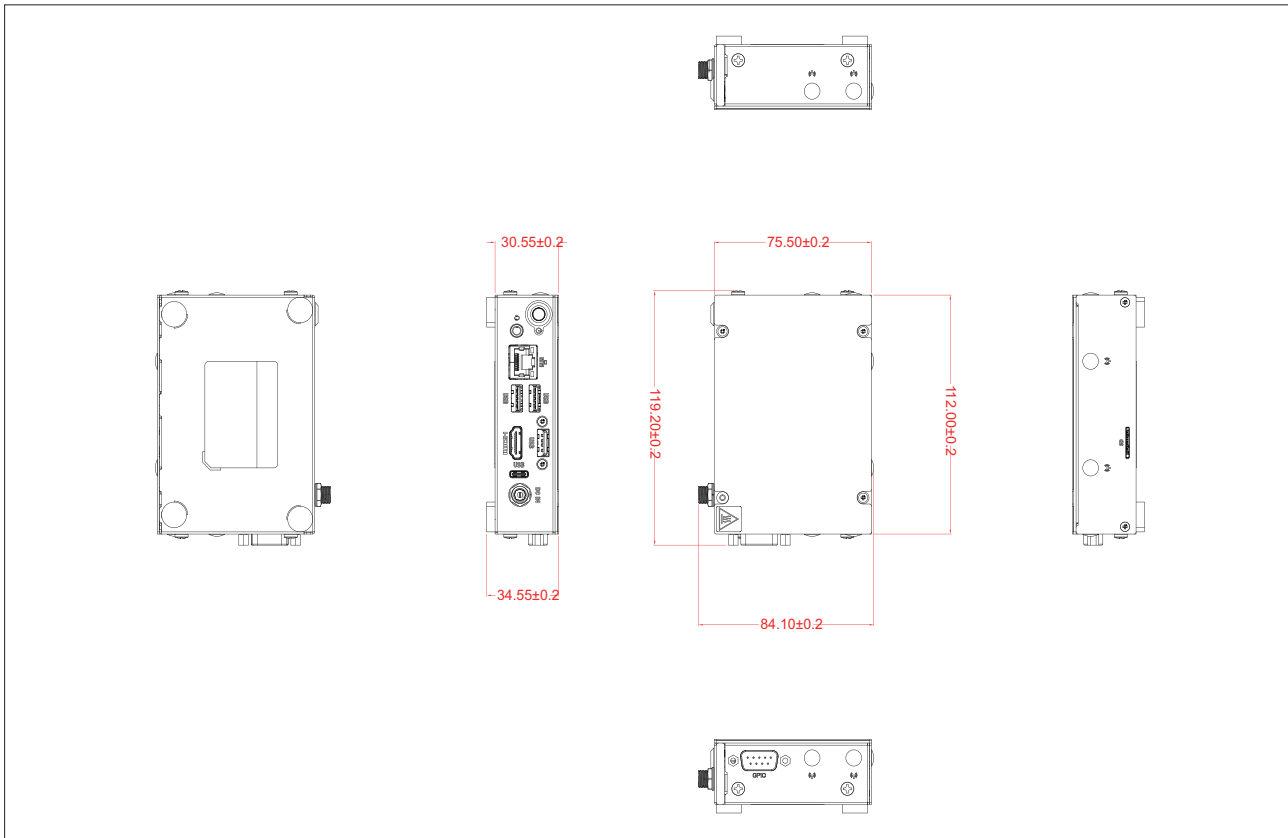
Specifications

Dimension	System Size : 112W x 75.5D x 30.55H (mm)
CPU	MediaTek Genio 700 (MT8390) 2 x Arm Cortex-A78, 2.2GHz 6 x Arm Cortex-A55, 2.0GHz
AI Inference Computing Power	MediaTek 5th-Gen NPU 4.0 TOPS (1x MDLA3.0 + 1x Tensilica VP6)
Memory	Onboard 8GB LPDDR4x
Ethernet	Realtek® RTL8211F-CG (10/100/1000 Mbps)
Graphic support	Arm Mali-G57 MC3 GPU, Support OpenGL ES 1.1/2.0/3.2, and Vulkan 1.0/1.1 : 1 x HDMI 2.0, supporting a maximum resolution of 4096x2160 @60Hz (Android only 1920x1200 @60Hz)
Audio	MT6365 (Integrated)
Storage	eMMC v5.1 64GB (on board)
Expansion Slots	1 x 2230 M.2 E-key slot (PCIe x1, USB2.0), supports WiFi6 : Azurewave AW-XB468NF (IC:MT7921L) 1 x 3052 M.2 B-Key slot (USB3.0), supports 5G : QUECTEL RM500K-CN / RM520N-GL
Front I/O	1 x Micro SD Slot 2 x External Antenna Holes (Optional)
Rear I/O	1 x Power button with LED 1 x Combo audio jack (Headphone & Headset) 1 x RJ45 LAN Port 2 x USB 3.0 Ports (Host) 1 x USB 2.0 Port 1 x USB Type C (OTG) 1 x HDMI 1 x Screw Type DC Jack
Side I/O	1 x GPIO (8 bits) 4 x External Antenna Holes (Optional)
Power	+12~24VDC (Adapter 19V/65W)
OS Compatibility	Yocto 24.1 Ubuntu 22.04 Android 13 (by demand)
Operation temperature	Operating temperature: -20°C to 60°C Operating humidity: 40°C @ 20-95% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 60°C @ 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 60068-2-29, 50 G, half sine, 11 ms duration

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Dimension

Unit: mm



Packing Content

- Carton size: 360 x 306 x 220 (mm)
- Packing Capacity: 5pcs
- Single Box size: 286 x 178 x 66 (mm)
- Including:
 - Power Cord : Optional (by region)
 - PSU ADP 19V 65W 100-240VAC x 1 (P/N: 25EP0-1065W1-A3S)
 - Wall mount bracket x 2 (P/N: 25HBA-G70020-U2R)

Order Information

- System: 9BQMG700AMR-SI (Box packing)

2026/06/11

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