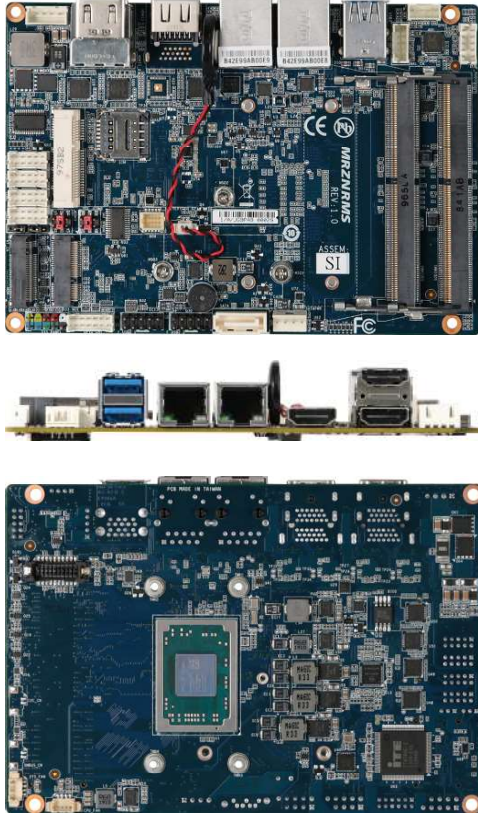


QBIP-1606A (MRZNRMS)

3.5" SubCompact Embedded Motherboard with AMD® RYZEN™ R1606G Embedded Processor, Dual Channel DDR4 memory, 4 x COM, 1 x SATA 6Gb/s, 6 x USB



Specifications

Form Factor	3.5" SBC 146W x 101.7Dmm
CPU	AMD Ryzen™ R1606G Embedded Processor 14nm, 2 cores, 4 threads, 2.6 GHz, up to 3.5 GHz TDP 25W 1MB L2 cache, 4MB L3 cache 2MB of shared L2 plus 4MB of shared L3 total
Socket	1 x FP5 type 1 BGA
Chipset	—
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 32 GB Support Dual channel DDR4 2400 MHz memory modules
Ethernet	2 x Realtek RTL8111HS (10/100/1000 Mbit)
Video	Integrated Graphics Processor - AMD Radeon™ Vega 3 Graphics: 3 x HDMI 2.0 ports, supporting a maximum resolution of 4096x2160 @60Hz 1 x eDP port, supporting a maximum resolution of 3840x2160 @60Hz (Share from HDMI) (3 independent display outputs)

Features

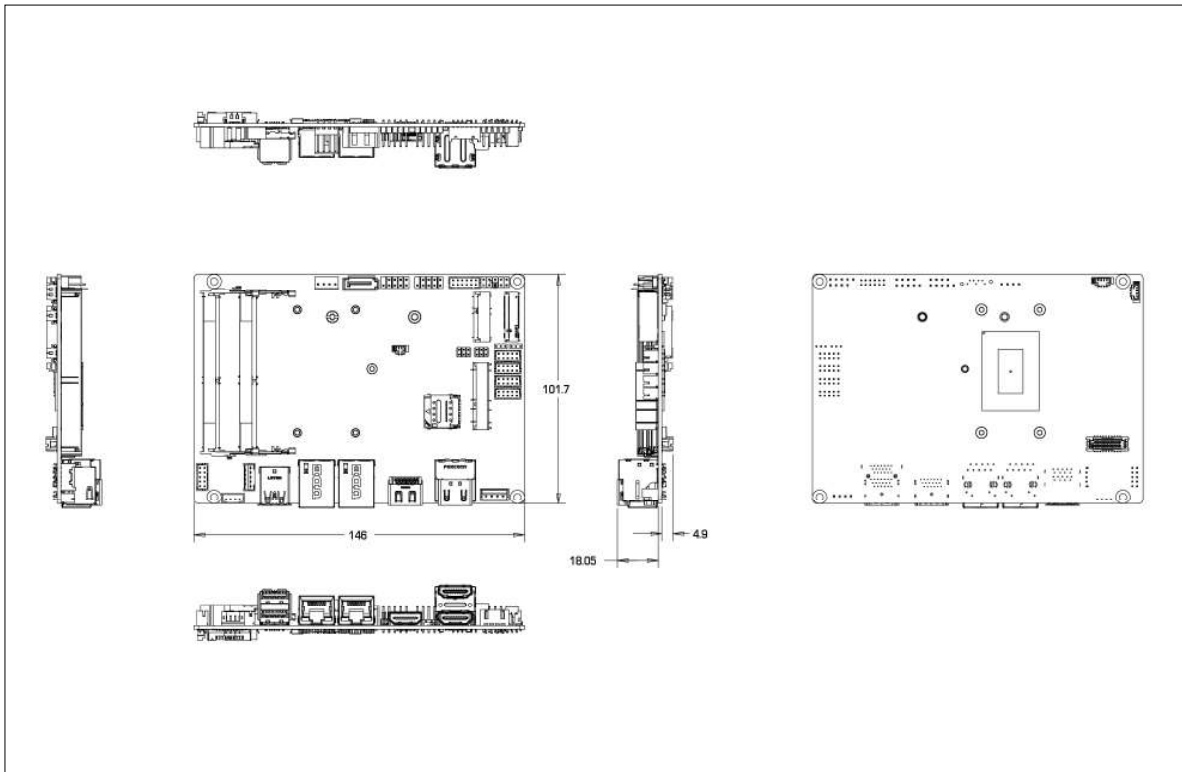
- 3.5" SBC
- AMD® RYZEN™ R1606G Embedded Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN ports
- 1 x SATA 6Gb/s port
- M.2 with SATA 6Gb/s or PCIe X4
- 3 x HDMI, eDP ports for multiple display
- Realtek® Audio Codec
- 2 x RS232/422/485/5V/12V/RI COM port
- 2 x RS232 COM ports

Audio	Realtek® Audio Codec
Storage	1 x SATA 6Gb/s port
Raid	—
Expansion Slots	1 x 2280 M.2 M-Key (PCIe x4, SATA 6Gb/s) 1 x 2230 M.2 E-Key 1 x Full-size Mini PCIe with SIM slot (PCIe x1 + USB2.0) -- support 3G module
Internal I/O	1 x 4 pin box power connector (DC in +9V~36VDC) 1 x SATA Power header 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 4 x USB 2.0 headers 2 x COM headers (RS-232) 2 x COM headers (RS-422/485/232 and RI/5V/12V) 1 x Backlight control header 1 x AT/ATX mode select jumper 1 x eDP/HDMI jumper 1 x GPIO (8-bits) & SMBUS header 1 x Buzzer
Rear I/O	3 x HDMI 2 x RJ45 LAN ports 2 x USB 3.0
TPM	Onboard TPM 2.0 security chip INFINEON SLB9665TT2.0
OS Compatibility	Windows 10 (x64)
Operating Properties	Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to +85°C Non-operating humidity: 0%-95% (non-condensing)

GIGAIPC reserves the right to modify or change technical data without prior notice.

Dimension

Unit: mm



Packing Content

- Box Packing Capacity: 10pcs
- Carton size: 465 x 351 x 217(mm)
- Content:
 - SATA Power cable x 1 (P/N: 25CRI-200B02-K1R)

Optional Kit

- Motherboard : 9MRZNRMSMR-SI

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