



QBi Pro (3.5" SBC)

QBiP-2314A

Preliminary

Key Features

3.5" SubCompact Embedded Motherboard with AMD Ryzen™ R2314 Embedded Processor, Dual Channel DDR4 memory, 4 x COM, 1 x SATA 6Gb/s, 6 x USB

- 3.5" SBC
- AMD Ryzen™ R2314 Embedded Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN Ports
- 1 x SATA 6Gb/s Port

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Specification

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Form Factor | 3.5" SBC
146W x 101.7D(mm)

CPU | AMD Ryzen™ R2314 Embedded Processor
14nm, 4 cores, 4 threads, 2.1 GHz, up to 3.5 GHz
TDP 25W

Socket | 1 x FP5 type 1 BGA

Memory | 2 x DDR4 SO-DIMM sockets, Max. Capacity 32 GB
Support Dual channel DDR4 2666 MHz memory modules

Ethernet | 2 x GbE LAN Ports (Realtek RTL8111HS)

Video | Integrated Graphics Processor - AMD Radeon™ Vega 8 Graphics:
4 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)

(4 independent display outputs)

Audio | Realtek® ALC269

Storage | 1 x SATA 6Gb/s Port

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-232/422/485 & RI/5V/12V)
1 x Backlight Control header
1 x GPIO (8-bits) & SMBUS header

Rear I/O | 4 x HDMI
2 x RJ45 LAN Ports
2 x USB 3.2 Gen 1

TPM | Onboard TPM 2.0 security chip
INFINEON SLB9665TT2.0

OS Compatibility | Windows 10/11 (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)

Packing Content

Carton size: 465 x 351 x 217 (mm)

Packing Capacity: 10pcs

Single Box size: 221 x 178 x 65 (mm)

Single Box weight: Approx. 0.4kg

Including:

SATA power Cable x 1 (P/N: 25CRI-200B02-K1R)

Order Information

9MRZR2MSMR-SI (Box Packing)