



Features

- AMD Ryzen™ Embedded R2000 series APU on board, up to 4 cores/8 threads
- Onboard DDR4 memory, Max. 8GB
- 2x HDMI 2.0b & LVDS: 5V/3.3V, 24 bit, dual channel (LVDS: 1920x1080 @60 Hz)
- 2x GbE LAN, 4x COM, 2x USB 3.2 Gen2 (10Gbps) [with PDPC support], 3x USB 2.0 via pin headers
- supports 1x M.2 (M-Key, type 2280) & 1x M.2 (E-Key, type 2230)
- supports 4x COM - COM1/COM2: RS-232/422/485, COM3/COM4: RS232 (Default: RS-232, adjustable in BIOS)
- Energy-efficient 12W-25W thermal design

Specifications

CPU	AMD Ryzen™ Embedded R2000 Series on board
PCH	N/A
Memory	Onboard DDR4 memory, Max. 8GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x SATA III 1x M.2 (M-Key)
Mini Type Slots	1x M.2 (M-Key, type 2280) 1x M.2 (E-Key, type 2230)
Graphics Controller	AMD Radeon™ Vega integrated
Video Output	2x HDMI (2.0b), 1x 24-bit dual channel LVDS
Ethernet	2x Intel® I226IT Gigabit LAN
I/O Chipset	Fintek F81966AB-I
Serial Port	COM1 / COM2 : RS-232/422/485 (Default: RS-232, adjustable in BIOS) COM3 / COM4 : RS232
USB 2.0	3x USB 2.0 (pin header)
USB 3.X	2x USB 3.2 Gen2 (10Gbps)
Serial ATA	1x SATA II
Audio	Built-in audio w/ Realtek audio codec ALC888S-VD2-GR
TPM	2.0
Others	Digital I/O(4-in/ 4-out), Watchdog Timer
Dimensions (L x W)	100mm x 72mm
Power Consumption	AMD Ryzen™ Embedded R2514 3.35GHz w/ 1x 8GB DDR4-3200 (Onboard) +12V: ~2.9A AMD Ryzen™ Embedded R2312 2.1GHz w/ 1x 8GB DDR4-3200 (Onboard) +12V: ~1.8A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing@60°C)

Ordering Information

IB200	AMD Ryzen™ R2312 APU (2.7GHz~3.5GHz) on board 2.5-inch Disk-Size w/ dual LAN, 2x HDMI, LVDS (24-bit dual-channel), 12V DC-in
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Dimensions and Drawing

