



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)

Specifications

System Mainboard	IB200 with AMD Ryzen™ R2312 CPU
CPU Type	AMD Ryzen™ Embedded R2000 Series on board
System Speed	Up to 3.5GHz
Memory	Onboard DDR4 memory, Max. 8GB
Front Panel External I/O	2x HDMI (2.0b), 1x 24-bit dual channel LVDS 2x Intel® I226IT Gigabit LAN 3x USB 2.0 (pin header) ; 2x USB 3.2 Gen2 (10Gbps) Built-in audio w/ Realtek audio codec ALC888S-VD2-GR Digital I/O(4-in/ 4-out)
Rear Panel External I/O	COM1 / COM2 : RS-232/422/485 (Default: RS-232, adjustable via BIOS) COM3 / COM4 : RS232
Expansion Slots	1x M.2 (M-key, type 2280) 1x M.2 (E-key, type 2230)
Storage	1x SATA III 1x M.2 (M-key)
Construction	Aluminum & steel
Chassis Color	Gray
Mounting Type	Mounting bracket x 2 ; CP100 V-A1 RoHS2
Dimensions	94 mm (W) x 133 mm (D) x 51.4 mm (H) 3.7" (W) x 5.23" (D) x 2.02" (H)
Weight	TBD
Operating Temperature	0°C~45°C (32°F~113°F)
Storage Temperature	-10°C ~ 80°C (-14°F ~ 176°F)
Relative Humidity	90% (non-condensing@60°C)
Vibration	Non-Operating: 1.0 grms / 5~500Hz / random operation Operating: 0.25 grms / 5~500Hz / random operation
Shock	Operating: 20 g / 11 ms Non-operating: 40 g / 11 ms
Certification	CE / LVD / FCC Class B (TBD)

Note: The specification will subject to change without notice.

Ordering Information

CP100-2312	AMD Ryzen™ R2312 APU on board 2.5-inch Disk-Size w/dual LAN, 1x DP1, 1x HDMI, 1x eDP, 1x LVDS, 12V – 24V DC-In
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Dimensions and Drawing

