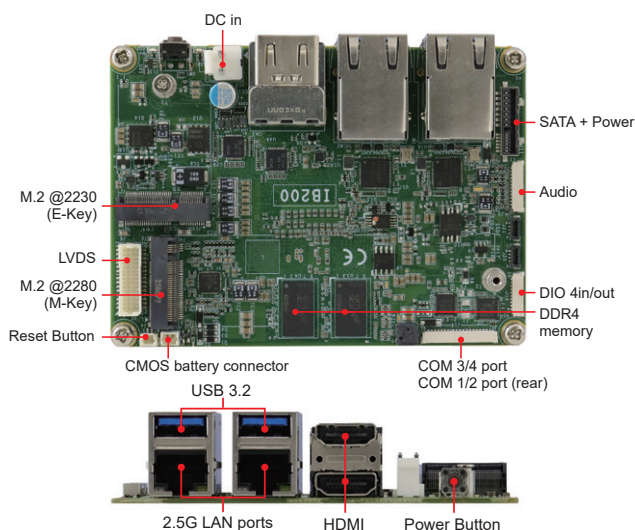




Features

- 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)
- 2.5 GbE LAN, 4x COM, 2x USB 3.2 Gen2 (10Gbps) [with PDPC support], 2x 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	Audio	Built-in audio w/ Realtek audio codec ALC888S-VD2-GR
PCH	N/A	TPM	2.0
Memory	Onboard DDR4 memory, Max. 8GB	Others	Digital I/O(4-in/ 4-out), Watchdog Timer
BIOS	AMI	Dimensions (L x W)	100mm x 72mm
Watchdog Timer	256 levels	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
H/W Monitor	Yes	Operating Temperature	0°C~60°C (32°F~140°F)
Storage Device Interface	1x SATA III 1x M.2 (M-Key, type 2280)	Storage Temperature	-20°C~80°C (-4°F~176°F)
Mini Type Slots	1x M.2 (E-Key, type 2230)	Relative Humidity	90% (non-condensing @60°C)
Graphics Controller	AMD Radeon™ Vega integrated		
Video Output	2x HDMI (2.0b), 1x 24-bit dual channel LVDS		
Ethernet	2x Intel® I226IT 2.5 Gigabit LAN		
I/O Chipset	Fintek F81966AB-I		
Serial Port	COM1 / COM2 : RS-232/422/485 (configurable) COM3 / COM4 : RS232		
USB 2.0	2x USB 2.0 (pin header)		
USB 3.X	2x USB 3.2 Gen2 (10Gbps)		
Serial ATA	1x SATA III		

Ordering Information

IB200-R2312	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, Onboard DDR4 memory, Max. 8GB
IB200-R2514	2.5" AMD Ryzen™ Embedded R2000 series (APU R2514, CPU Freq. 2.1GHz up to 3.7GHz, 4 Cores, 8 Threads, TDP 12-35W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 3.3V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in
IB200-R2514-T	2.5" AMD Ryzen™ Embedded R2000 series (APU R2514, CPU Freq. 2.1GHz up to 3.7GHz, 4 Cores, 8 Threads, TDP 12-35W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 3.3V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in, TPM
IB200-R2514-5	2.5" AMD Ryzen™ Embedded R2000 series (APU R2514, CPU Freq. 2.1GHz up to 3.7GHz, 4 Cores, 8 Threads, TDP 12-35W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 5V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in
IB200-R2514-5T	2.5" AMD Ryzen™ Embedded R2000 series (APU R2514, CPU Freq. 2.1GHz up to 3.7GHz, 4 Cores, 8 Threads, TDP 12-35W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 5V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in, TPM
IB200-R2314	2.5" AMD Ryzen™ Embedded R2000 series (APU R2314, CPU Freq. 2.1GHz up to 3.5GHz, 4 Cores, 4 Threads, TDP 12-35W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 3.3V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in
IB200-R2314-T	2.5" AMD Ryzen™ Embedded R2000 series (APU R2314, CPU Freq. 2.1GHz up to 3.5GHz, 4 Cores, 4 Threads, TDP 12-35W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 3.3V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in, TPM
IB200-R2314-5	2.5" AMD Ryzen™ Embedded R2000 series (APU R2314, CPU Freq. 2.1GHz up to 3.5GHz, 4 Cores, 4 Threads, TDP 12-35W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 5V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in
IB200-R2314-5T	2.5" AMD Ryzen™ Embedded R2000 series (APU R2314, CPU Freq. 2.1GHz up to 3.5GHz, 4 Cores, 4 Threads, TDP 12-35W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 5V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in, TPM
IB200-R2312	2.5" AMD Ryzen™ Embedded R2000 series (APU R2312, CPU Freq. 2.7GHz up to 3.5GHz, 2 Cores, 4 Threads, TDP 12-25W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 3.3V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in
IB200-R2312-T	2.5" AMD Ryzen™ Embedded R2000 series (APU R2312, CPU Freq. 2.7GHz up to 3.5GHz, 2 Cores, 4 Threads, TDP 12-25W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 3.3V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in, TPM
IB200-R2312-5	2.5" AMD Ryzen™ Embedded R2000 series (APU R2312, CPU Freq. 2.7GHz up to 3.5GHz, 2 Cores, 4 Threads, TDP 12-25W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 5V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in
IB200-R2312-5T	2.5" AMD Ryzen™ Embedded R2000 series (APU R2312, CPU Freq. 2.7GHz up to 3.5GHz, 2 Cores, 4 Threads, TDP 12-25W) on board, 2.5"SBC w/ dual LAN, 2x HDMI, 5V LVDS (24-bit dual-channel), EuP/ErP, 12V DC-in, TPM

*Specifications are subject to change without prior notice

Dimensions and Drawings

