



## 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

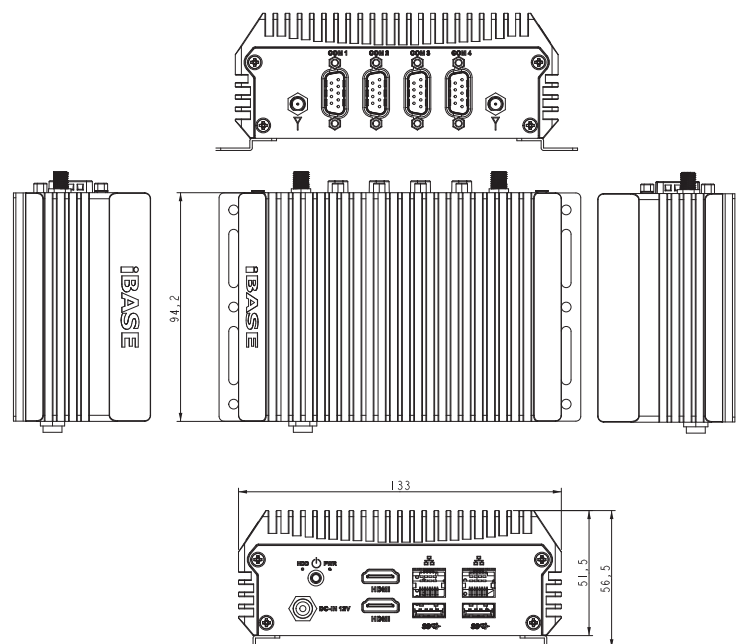
|                          |                                                                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>2x Intel® I226IT Gigabit LAN<br>3x USB 2.0 (pin header) ; 2x USB 3.2 Gen2 (10Gbps)<br>Built-in audio w/ Realtek audio codec ALC888S-VD2-GR<br>Digital I/O(4-in/ 4-out) |
| Rear Panel External I/O  | COM1 / COM2 : RS-232/422/485 (Default: RS-232, adjustable via BIOS)<br>COM3 / COM4 : RS232                                                                                                                            |
| Expansion Slots          | 1x M.2 (M-key, type 2280)<br>1x M.2 (E-key, type 2230)                                                                                                                                                                |
| Storage                  | 1x SATA III<br>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)<br>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<br>Operating: 0.25 grms / 5~500Hz / random operation                                                                                                             |
| Shock                    | Operating: 20 g / 11 ms<br>Non-operating: 40 g / 11 ms                                                                                                                                                                |
| Certification            | CE / LVD / FCC Class B (TBD)                                                                                                                                                                                          |

## Ordering Information

|            |                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------|
| CP100-2312 | AMD Ryzen™ R2312 APU on board<br>2.5-inch Disk-Size w/dual LAN, 1x DP1, 1x HDMI, 1x eDP,<br>1x LVDS, 12V ~ 24V DC-In |
|------------|----------------------------------------------------------------------------------------------------------------------|

Note: The specification will subject to change without notice.

## Dimensions and Drawing



Note: The specification will subject to change without notice.