

IBDRW100-P

Intel® Pentium® N4200 DIN Rail Box PC



KEY FEATURES

- DIN Rail design for Industrial Automation application
- Onboard Intel® Pentium® N4200 Processor 1.1 GHz, up to 2.5 GHz
- 1 x SO-DIMM DDR3L-1866 Max. 8GB
- 1 x RS232/ 422/ 485 communication, select thru BIOS
- 4 x Giga LAN, 3 x USB 3.0, 1 x USB 2.0, 1 x VGA, 1 x Line out, 1 x line in, 1 x Mic in, 1 x Power Jack
- Fanless, streamlined enclosure for highly efficient heat Dissipation
- AWS IoT Greengrass Certified



SPECIFICATIONS

System Specification

Processor	Intel® Pentium® N4200 (2M Cache, up to 2.5 GHz)	Memory	1 x SO-DIMM, DDR3L 1866 MHz, 4GB 8GB (Optional)
Storage	1 x M.2 2242 B-key SSD 64GB M.2 2242 B-key SSD up to 512GB (Optional) 1 x SATA III for 2.5" SSD/HDD (Optional)	Ethernet controller	4 x Intel® Ethernet Controller I210-IT
Security	TPM 2.0	Operating System	Windows 10 IoT Enterprise (Optional) Linux Ubuntu 18.04 (Optional)
WLAN	Support (Optional)	BT	Support (Optional)
Expansion Port	1 x M.2 2230 E-key (for half size Wifi module) 1 x M.2 2242 B-key Slot (for SSD)		

Mechanical

Dimension	139 x 65.4 x 152 mm	Mounting	Din-Rail Mounting
Enclosure	Aluminum Housing	Cooling System	Fanless design

Environment

Operating Humidity	10% to 90% (non-condensing)	Operating Temperature	-20~60°C
Storage Temperature	-40~70°C	Shock	15G, 11ms duration
Vibration	5Hz~500Hz / 1Grms / 3 axis		

Certification

Certification	CE, FCC, IC, UL/CSA 62368-1 AWS IoT Greengrass Certified
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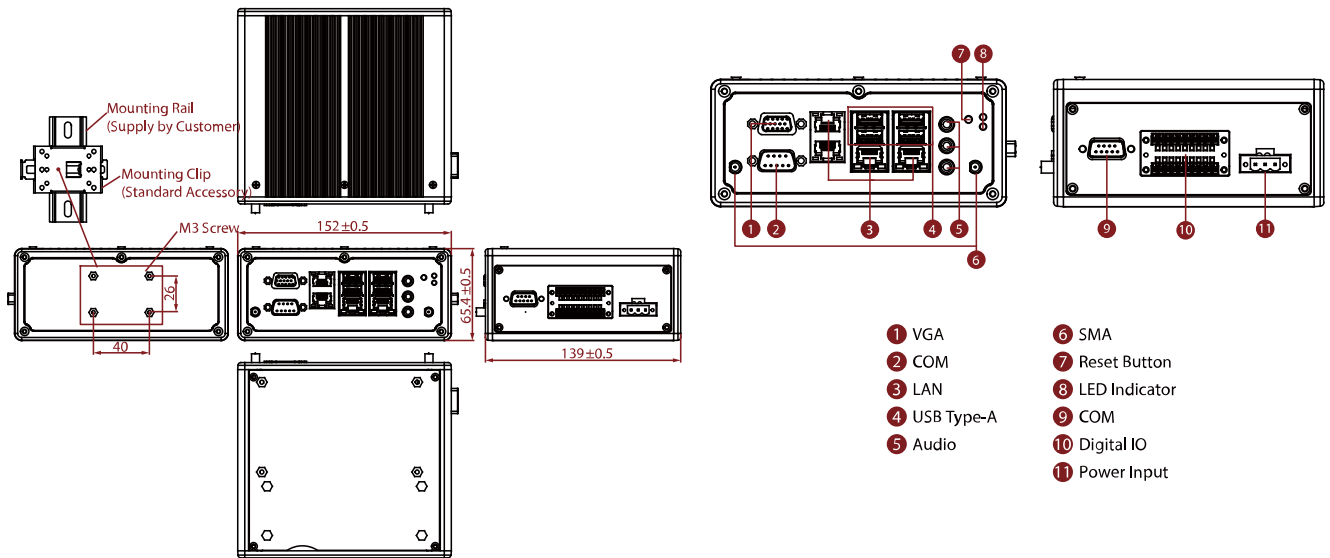
IO Ports

Power Input	1 x 9~36V DC, 3-Pin Terminal Block	USB Port	3 x USB3.0 (Type-A) 1 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS422/485 (Default RS422)	Video	1 x VGA
Audio	Mic in Line in Line out	Expansion Port	1 x M.2 2230 E-key (for half size Wifi module)
LAN	4 x Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage
DIDO	Terminal block with digital 9 in / 9 out		

Control			
Button	1 x Power Button		
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord 2 x Terminal Block 10 pin fconnector for DIDO Open Wire Cable with terminal block connector Terminal Block 3 pin to 2.5Ø Female Adapter Cable Driver CD & Manual Din Rail Mounting kits		
Power			
Power Rating	9V to 36V DC with isolation, 3-Pin Terminal Block	Adapter	12V 36W

DIMENSIONS UNIT:MM

Winmate IBDRW100-P



NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. Length measurements do not include protrusions. Weight varies with options.
3. Measured at maximum backlight and high CPU load.
4. Accessories and integrated options may vary depending on your configuration
5. This is a simplified drawing and some components are not marked in detail.
6. All specifications are subject to change without prior notice.
7. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.