

IBDRW100-EL

Intel® Celeron® N6211 DIN Rail Box PC



KEY FEATURES

- DIN Rail design for Industrial Automation application
- Onboard Intel® Celeron® N6211 Processor (1.5M Cache, up to 3.0GHz)
- 1 x SO-DIMM DDR4 Memory, up to 16GB
- 1 x RS232/ 422/ 485 communication, select thru BIOS
- 4 x Giga LAN, 3 x USB 3.2 Gen 2x1 x USB 2.0, 1 x VGA
- 1 x Line out, 1 x line in, 1x Mic in, 1 x Power Jack
- Fanless, streamlined enclosure for highly efficient heat Dissipation
- AWS IoT Greengrass certified

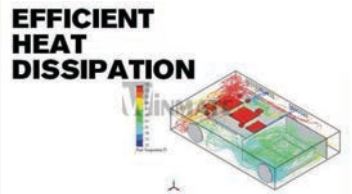


OVERVIEW



High Efficiency and Performance

IBDRW100-EL, a recent addition to the Winmate embedded PCs series, is powered by Intel® Celeron® Processor to deliver the optimal performance for critical industrial applications.



Efficient Heat Dissipation Design

Built rugged, the IBDRW100-EL features wide temperature and voltage operating ranges, making it tough enough to take on different industrial environments.



Built for Industrial Automation Applications

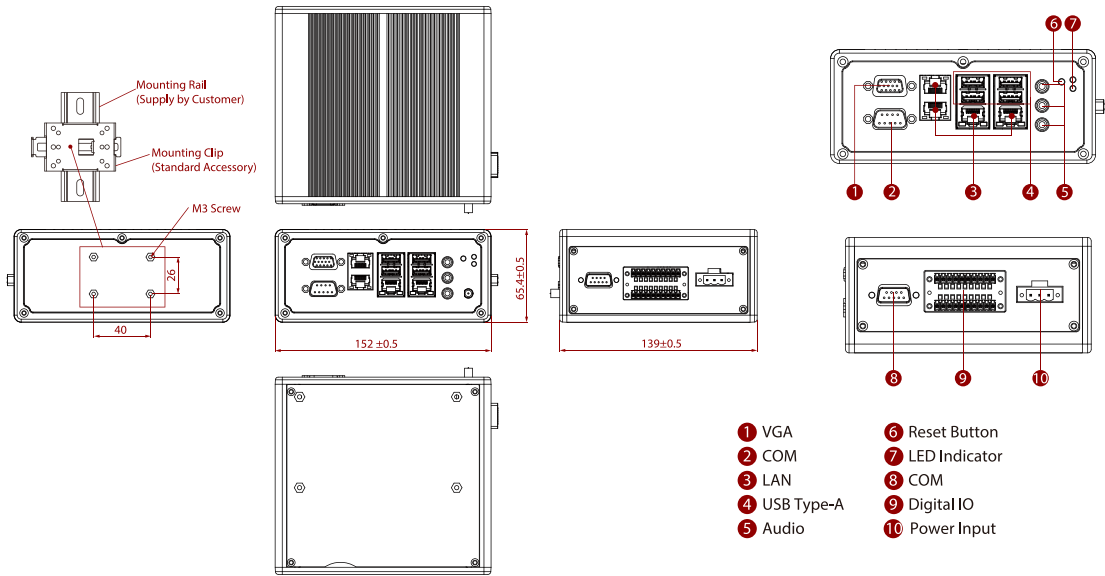
Din Rail embedded PCs are purpose built for factory automation and machine vision applications, easy to install, access, and maintain. The IBDRW100-EL embedded PC has a wide array of I/O support. It can be connected to various cameras and sensors, control systems, display output, etc.

SPECIFICATIONS

System Specification			
WLAN	Support (Optional)	BT	Support (Optional)
Expansion Port	1 x M.2 2230 E-key (for Wi-Fi) 1 x M.2 2242 B-key Slot (for SSD)	Processor	Intel® Celeron® N6211 (up to 3.0GHz)
Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional)	Storage	1 x M.2 2242 B-key SSD 128GB 256GB (Optional) 512GB (Optional) 1 x SATA III for 2.5" SSD/HDD (Optional)
Ethernet controller	4 x Intel® Ethernet Controller	Security	TPM 2.0
Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)		
Mechanical			
Dimension	139 x 65.4 x 152 mm	Weight	1.5 kg
Mounting	Din-Rail mounting	Enclosure	Aluminum Housing
Cooling System	Fanless Design		
Environment			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C

Storage Temperature	-40°C to 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		
IO Ports			
Power Input	1 x Isolated 9~36V DC with 3-Pin Terminal Block	USB Port	3 x USB3.2 Gen2x1 (Type-A) 1 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 DB9 connector (Default RS232) 1 x Isolated RS422/485 DB9 connector (Default RS422)	Video	1 x VGA DB15 connector
Audio	Mic in Line in Line out	Expansion Port	1 x M.2 2242 B-key Slot (for SATA III SSD) 1 x M.2 2230 E-key (for Wi-Fi module)
LAN	4 x 2.5 Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage
DIDO	1 x Isolated 5V 9-in/9-out DIO with 20-Pin Terminal block 1 x Isolated 30V 9-in/8-out DIO with 20-Pin Terminal block (Optional) 1 x Isolated 30V 10-in/7-out DIO with 20-Pin Terminal block (Optional) 1 x Isolated 30V 11-in/6-out DIO with 20-Pin Terminal block (Optional) 1 x Isolated 30V 12-in/5-out DIO with 20-Pin Terminal block (Optional)		
Control			
Button	1 x Reset Button		
Accessory			
Accessory	1 x 100~240V AC to DC Adapter 1 x Power Cord 2 x Terminal Block 10 pin connector for DIDO 1 x Open Wire Cable 1 x Terminal Block 3 pin to 2.5Ø Female Adapter Cable 1 x Din Rail Mounting kits		
Power			
Power Rating	9V to 36V DC with isolation, 3-Pin Terminal Block	Adapter	12V 84W

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. 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.