

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

INTRODUCTION

Winmate DIN Rail Box PC is a rugged and efficient solution designed for industrial automation and machine vision applications. Powered by an Intel® processor, it delivers reliable performance with fanless heat dissipation for enhanced durability. Its DIN Rail design ensures easy installation and maintenance, while versatile I/O support allows seamless integration with cameras, sensors, and control systems. Certified for AWS IoT Greengrass, this box PC is ideal for factory automation and demanding industrial environments.

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

CertificationCE, 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

Button1 x Reset Button

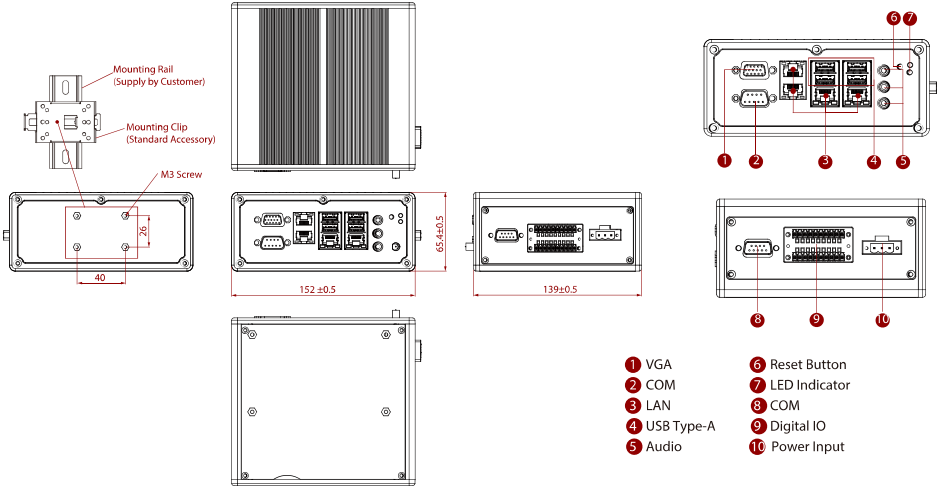
Accessory

Accessory1 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
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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.