

# IBDRW100-EX

Intel® Celeron® N2930 ATEX DIN Rail Box PC (C1D2 Certified)



## KEY FEATURES

- Class 1, Division 2 & ATEX Zone 2 device certified for hazardous area application
- Designed for industrial automation, DIN Rail application
- Intel® Celeron® N2930 Bay Trail-M Processor
- 1 x RS232 / 422 / 485 communication, switch by jump
- 4 x Giga LAN, 1 x USB 3.0, 3 x USB 2.0, 1 x VGA, 1 x Line out, 1 x Power Jack
- Fanless, streamlined enclosure for highly efficient heat dissipation
- Rated for wide temperature use -20°C to 60°C
- AWS IoT Greengrass Certified



## SPECIFICATIONS

System Specification	
<b>Processor</b>	Intel® Celeron® N2930 (2M Cache, up to 2.16 GHz)
<b>Storage</b>	1 x mSATA SSD 64GB mSATA SSD up to 512GB (Optional) 1 x SATA II for 2.5" HDD (Optional)
<b>Security</b>	TPM 2.0
<b>WLAN</b>	Support (Optional)
<b>Expansion Port</b>	1 x mPCIe slot(for half size Wifi module) 1 x mPCIe slot(for SSD)
<b>Memory</b>	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
<b>Ethernet controller</b>	4 x Intel® Ethernet Controller I210-IT
<b>Operating System</b>	Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (Optional) Linux Ubuntu 18.04 (Optional)
<b>BT</b>	Support (Optional)
Mechanical	
<b>Dimension</b>	139 x 65.4 x 152 mm
<b>Enclosure</b>	Aluminum Housing
<b>Mounting</b>	Din-Rail Mounting
<b>Cooling System</b>	Fanless design
Environment	
<b>Operating Humidity</b>	10% to 90% (non-condensing)
<b>Storage Temperature</b>	-40~80°C
<b>Vibration</b>	MIL-STD-810G Method 514.6
<b>Operating Temperature</b>	-20~60°C
<b>Shock</b>	MIL-STD-810G Method 516.6
Certification	
<b>Certification</b>	CE, FCC  Ordinary Location Safety: UL60950-1, CSA C22.2 No. 60950-1-07, EN 62368-1, IEC60950-1  Hazardous Location Safety: ATEX II 3 G Ex nA IIC T4 Gc Class 1, Division 2, Group A, B, C, D Temperature Code T4A

IO Ports			
<b>Power Input</b>	1 x 9~36V DC, 3-Pin Terminal Block	<b>USB Port</b>	1 x USB3.0 (Type-A) 3 x USB2.0 (Type-A)
<b>Serial Port</b>	1 x RS232/422/485 (Default RS232) 1 x RS422/485 (Default RS422)	<b>Video</b>	1 x VGA
<b>Audio</b>	Mic in Line in Line out	<b>Expansion Port</b>	1 x mPCIe slot(for half size Wifi module)
<b>LAN</b>	4 x Giga LAN RJ45 Connector (one of them is disabled if WLAN module is added)	<b>Indicator</b>	1 x LED Indicator for power 1 x LED Indicator for storage
<b>DIDO</b>	Terminal block with digital 9 in / 9 out		

### Control

<b>Button</b>	1 x Power Button
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### Accessory

<b>Accessory</b>	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 Cable Holder kits
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### Power

<b>Power Rating</b>	9V to 36V DC with isolation, 3-Pin Terminal Block	<b>Adapter</b>	12V 36W
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## DIMENSIONS UNIT:MM

