

IBDRW100-EX-P

Intel® Atom® E3950 DIN Rail Box PC (C1D2 Certified)



KEY FEATURES

- Class 1, Division 2 device certified for hazardous area application
- DIN Rail design for Industrial Automation applications
- Onboard Intel® Atom® Processor E3950 1.6 GHz, up to 2.0 GHz
- 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
- -40°C~70°C wide operation temperature range
- AWS IoT Greengrass Certified



SPECIFICATIONS

System Specification

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)	Processor	Intel® Atom® E3950 (2M Cache, up to 2.0 GHz) Intel® Atom® E3940 (2M Cache, up to 1.8 GHz) Intel® Atom® E3930 (2M Cache, up to 1.8 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)		

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	-40~70°C
Storage Temperature	-40~80°C	Shock	MIL-STD-810G Method 516.6
Vibration	MIL-STD-810G Method 514.6		

Certification

Certification	CE, FCC, IC Ordinary Location Safety : UL/CSA 62368-1 Hazardous Location Safety: Class 1, Division 2, Group A, B, C, D Temperature Code T5
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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	Expansion Port	1 x M.2 2230 E-key (for half size Wifi module)

LAN	Line out 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 Cable Holder kits		
Power			
Power Rating	9V to 36V DC with isolation, 3-Pin Terminal Block	Adapter	12V 84W

DIMENSIONS UNIT:MM

