

IBDRW100-EX-P

Intel® Atom® E3950 ATEX Rugged 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, ATEX rugged box pc

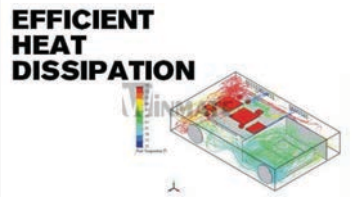


OVERVIEW



High Efficiency

Intel® Atom® E3950 Processor 1.6 GHz, up to 2.0 GHz combined with Intel® HD Graphics 505 GPU and maximum 8 GB of memory for stable and reliable operations



Efficient Heat Dissipation Fanless. Reliable. Industrial

Built rugged, the IBDRW Series features wide temperature and voltage operating ranges, making it tough enough to take on an industrial environment.



Ready for Challenging Environments

Din Rail Box PCs are built to be easy to install, access, and maintain. The IBDRW Series has a wide array of I/O support, all of which are located on the PC's front or topsides.

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 Atom E3950 1.6GHz (up to 2GHz) Intel Atom E3940 1.6GHz (up to 1.8GHz) Intel Atom E3930 1.3GHz (up to 1.8GHz)
Memory	1 x SO-DIMM, DDR3L 1866 MHz, 4GB 8GB (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 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (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	-40°C to 70°C
Storage Temperature	-40°C to 80°C	Shock	MIL-STD-810G Method 516.6 Procedure I (Optional)

Vibration	MIL-STD-810G Method 514.6 Procedure I		
Certification			
Certification	<div>CE, FCC, IC</div> <div>UL 62368-1 CSA C22.2 No. 62368-1-14 EN 62368-1</div> <div>Class I, Div.2, Groups A,B,C,D T4(T5) -40 <= Tamb <= 70 Meet Standards CAN/CSA C22.2 NO. 213-17 UL 121201 Ed.9</div>		
IO Ports			
Power Input	1 x Isolated 9~36V DC with 3-Pin Terminal Block	USB Port	3 x USB3.2 Gen1x1 (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 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 fconnector 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 1 x Cable Holder kits		
Power			
Power Rating	9V to 36V DC with isolation, 3-Pin Terminal Block	Adapter	12V 84W

DIMENSIONS UNIT:MM

