

IBDRW100-EX-P Intel(R) Atom(R) E3950 ATEX Rugged Box PC (C1D2 Certified)

Manufacturer part number: IBDRW100-EX-P | Box PC / Waterproof Rugged PC IP65



Explore Winmate IBDRW100-EX-P, a DIN-rail industrial computer featuring Intel(R) Atom(R) E3950, ATEX for oil and gas and chemical processing.

System Specification	
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	4GB(Default), 8GB (Optional)
Storage	128GB SSD(Default), 256GB SSD (Optional), 512GB SSD, 1 x SATA III for 2.5" SSD/HDD (Optional)
Ethernet controller	4 x Intel(R) Ethernet Controller
Security	TPM 2.0
Operating System	Windows 10 IoT Enterprise (64 bit) (Optional), Linux Ubuntu 20.04 (Optional)
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)
Mechanical	
Dimension	139 x 65.4 x 152 mm
Weight	1.5 kg
Mounting	Din-Rail mount
Enclosure	Aluminum Housing
Cooling System	Fanless Design
Environment	
Operating Humidity	10% to 90% RH, Non-Condensing
Operating Temperature	-40 deg C to 70 deg C
Storage Temperature	-40 deg C to 80 deg C
Shock	MIL-STD-810H Method 516.8 Procedure I (Optional)
Vibration	MIL-STD-810H Method 514.8 Procedure I
Certification	
Certification	CE, FCC, IC, , UL 62368-1, CSA C22.2 No. 62368-1-14, EN 62368-1, , 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
IO Ports	
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)
LAN	4 x Giga LAN RJ45 Connector
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)
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 (Default), 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)
Power Input	1 x Isolated 9~36V DC with 3-Pin Terminal Block
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 2.5O Female Adapter Cable, 1 x Din Rail Mounting kits, 1 x Cable Holder kits
Power	
Power Rating	9V to 36V DC
Adapter	12V 84W