

IBDRW100-EX ATEX DIN Rail PC (C1D2 Certified) with Intel(R) Celeron(R) N2930

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



Explore Winmate IBDRW100-EX, a hazardous-area rugged computer featuring Intel(R) Celeron(R) N2930, ATEX for oil and gas and chemical processing.

System Specification	
Processor	Intel Celeron N2930 1.83GHz (up to 2.16GHz)
Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB (Default), 8GB (Optional)
Storage	1 x mSATA SSD 128GB (Default), 256GB (Optional), 512GB (Optional), 1 x SATA III for 2.5" SSD/HDD (Optional)
Ethernet controller	4 x Intel(R) Ethernet Controller
Security	TPM (Optional)
Operating System	Windows 7 Embedded Systems (Optional), Windows 10 IoT Enterprise (64 bit) (Optional), Linux Ubuntu 20.04 (Optional)
WLAN	Support (Optional)
BT	Support (Optional)
Expansion Port	1 x mPCIe slot(for Wi-Fi), 1 x mPCIe slot(for SSD)
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 deg C to 60 deg C
Storage Temperature	-40 deg C to 80 deg C
Shock	MIL-STD-810G Method 516.6 Procedure I (Optional)
Vibration	MIL-STD-810G Method 514.6 Procedure I
Certification	
Certification	CE, FCC, , UL 508, CSA C22.2 No.142-m1987, UL 60950-1, CSA C22.2 No. 60950-1-07, EN 62368-1, , Class I, Div.2, Groups A,B,C,D, -20 <= Tamb <= 60, Meet Standards, ANSI/ISA-12.12.01-2013-6-03, CAN/CSA C22.2 No. 213-M1987, , ATEX II 3G Ex nA IIC T4 Gc, -20 <= Tamb <= 60, Meet Standards, EN 60079-0, EN 60079-15
IO Ports	

USB Port	1 x USB3.2 Gen1x1 (Type-A), 3 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, (one of them is disabled if WLAN module is added)
Video	1 x VGA DB15 connector
Audio	Mic in, Line in, Line out
Expansion Port	1 x mPCIe slot(for SSD), 1 x mPCIe slot(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 with isolation, 3-Pin Terminal Block
Adapter	12V 36W