IBDRW100-EX

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

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

Processor	Intel Celeron N2930 1.83GHz (up to 2.16GHz)	**Memory**	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x mSATA SSD 128GB mSATA SSD up to 512GB (Optional) 1 x SATA II for 2.5" HDD (Optional)	**Ethernet controller**	4 x Intel® 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 half size Wifi module) 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°C to 60°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	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

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	Temperature Code T4A		

IO Ports

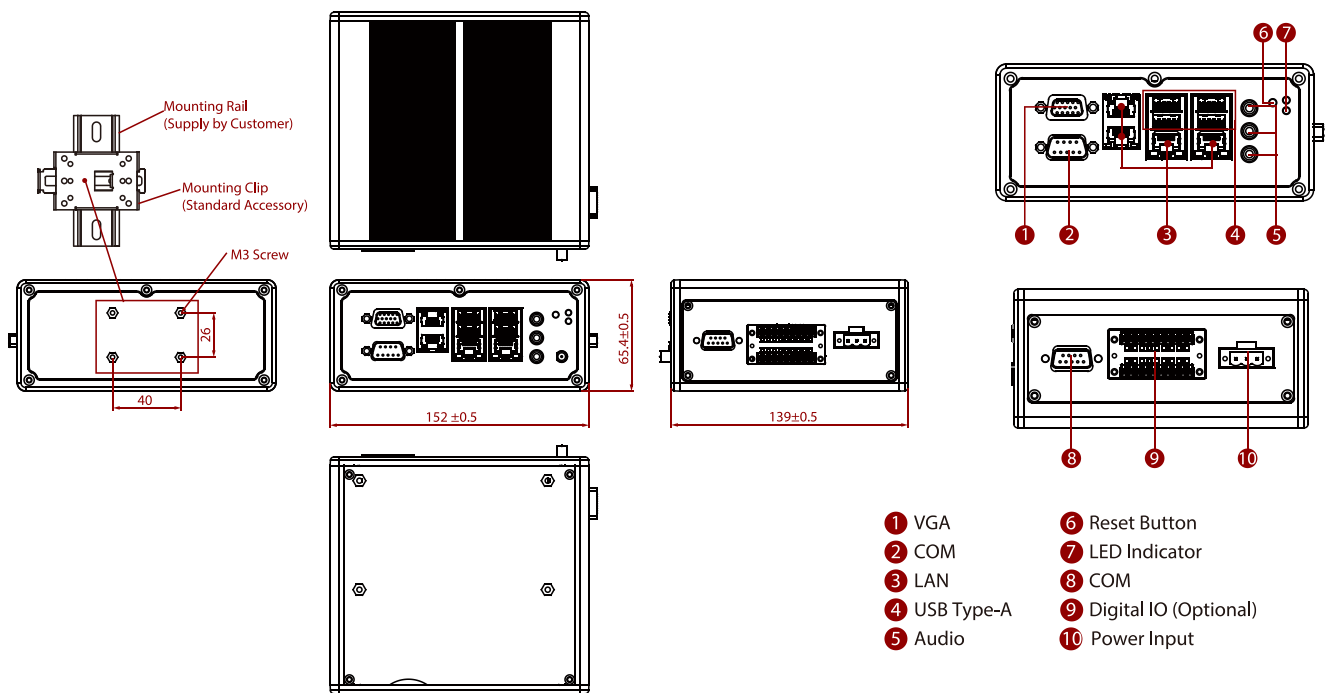|			
Power Input	1 x 9~36V DC, 3-Pin Terminal Block	**USB Port**	1 x USB3.2 Gen1x1 (Type-A) 3 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS422/485 (Default RS422)	**Video**	1 x VGA
Audio	Mic in Line in Line out	**Expansion Port**	1 x mPCIe slot(for half size Wifi module)
LAN	4 x Giga LAN RJ45 Connector (one of them is disabled if WLAN module is added)	**Indicator**	1 x LED Indicator for power 1 x LED Indicator for storage
DIDO	Terminal block with digital 9 in / 9 out (Optional)		

Control

Button	1 x Reset 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 Din Rail Mounting kits Cable Holder kits

Power

Power Rating	9V to 36V DC with isolation, 3-Pin Terminal Block	**Adapter**	12V 36W

DIMENSIONS UNIT:MM

❶ VGA ❻ Reset Button
❷ COM ❼ LED Indicator
❸ LAN ❽ COM
❹ USB Type-A ❾ Digital IO (Optional)
❺ Audio ❿ Power Input

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NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. LAN3 disabled if WLAN Module is added.
3. Length measurements do not include protrusions. Weight varies with options.
4. Measured at maximum backlight and high CPU load.
5. Accessories and integrated options may vary depending on your configuration
6. This is a simplified drawing and some components are not marked in detail.
7. All specifications are subject to change without prior notice.
8. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.