IBDRW100

Intel® Celeron® N2930 DIN Rail Box PC

KEY FEATURES

- DIN Rail design for Industrial Automation application
- Onboard Intel® Celeron® Quad-Core N2930 1.83GHz, up to 2.16GHz
- 1 x DDR3L SODIMM slot, 4GB
- 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, Hight efficiency thermal design
- AWS IoT Greengrass Certified

SPECIFICATIONS

System Specification

Processor	Intel® Celeron® N2930 (2M Cache, up to 2.16 GHz)	**Memory**	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x mSATA SSD 64GB mSATA SSD up to 512GB (Optional) 1 x SATA II for 2.5" HDD (Optional)	**Ethernet controller**	4 x Intel® Ethernet Controller I210-IT
Security	TPM 2.0	**Operating System**	Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (Optional) Linux Ubuntu 18.04 (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	**Mounting**	Din-Rail Mounting
Enclosure	Aluminum Housing	**Cooling System**	Fanless design

Environment

Operating Humidity	10% to 90% (non-condensing)	**Operating Temperature**	-20~60°C
Storage Temperature	-40~70°C	**Shock**	15G, 11ms duration
Vibration	5Hz~500Hz / 1Grms / 3 axis		

Certification

Certification	CE, FCC, UL60950-1, CSA C22.2 No. 60950-1-07, EN 62368-1, IEC60950-1 Microsoft Azure Certified for IoT AWS Iot Greengrass Certified

IO Ports

Power Input	1 x 9~36V DC, 3-Pin Terminal Block	**USB Port**	1 x USB3.0 (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	**Indicator**	1 x LED Indicator for power

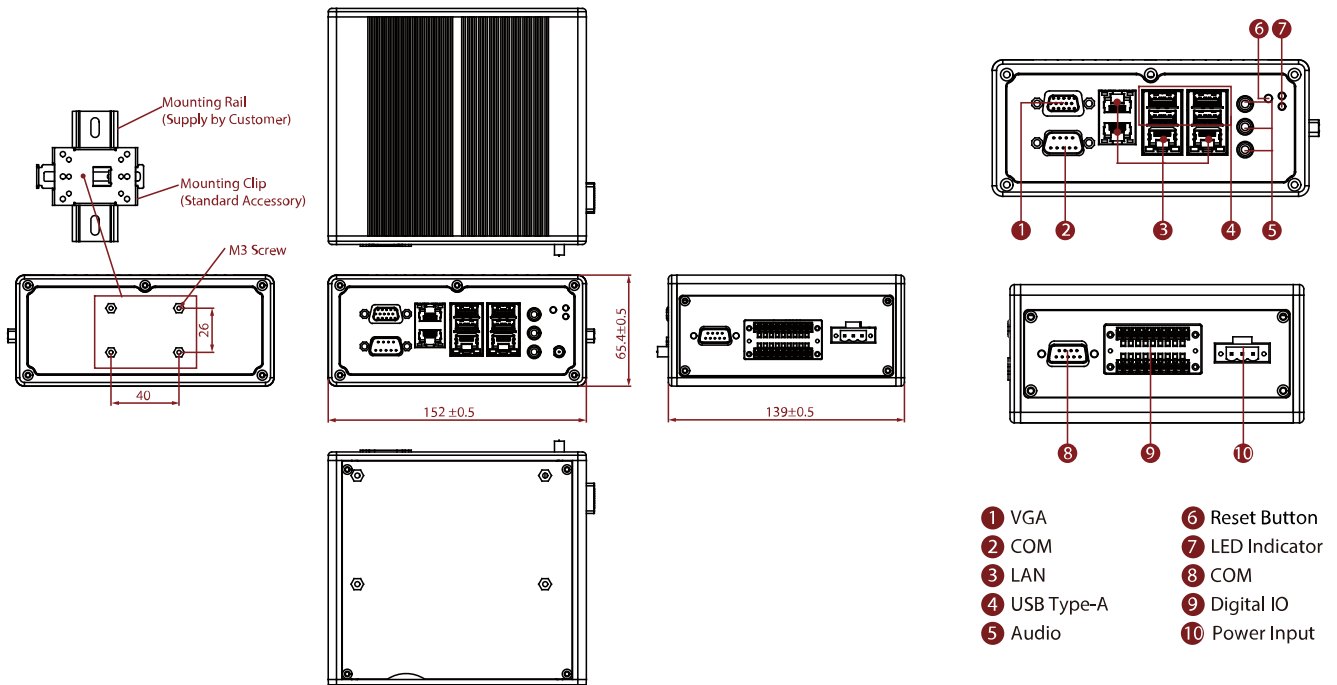| | (one of them is disabled if WLAN module is added) | | 1 x LED Indicator for storage |
| DIDO | Terminal block with digital 9 in / 9 out | | |

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

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

DIMENSIONS UNIT:MM

Mounting Rail (Supply by Customer)
Mounting Clip (Standard Accessory)
M3 Screw
26
40
65.4±0.5
152 ±0.5
139±0.5

1. VGA
2. COM
3. LAN
4. USB Type-A
5. Audio
6. Reset Button
7. LED Indicator
8. COM
9. Digital IO
10. Power Input

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.