Embedded Automation Controller

Bay Trail Slim DIN Rail BOX PC with ATEX

MODEL: WPC200-C1D2

Windows Embedded Standard 7
Windows Embedded 8

Features:

- An ideal solution for Industrial Automation and DIN Rail application
- High performance processors
- Ruggedized metal housing to meet the demanding applications in industrial settings
- ATEX and Class I, Division 2 Hazardous Location Approval
- 1 x DDR3L SODIMM slot, max. 8GB
- 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
- 1 x RS232 / 422 / 485 communication, switch by jump
- Fanless design for quiet operation
- Anti-shock and anti-vibration for added protection of the device

Product Specifications:

System Specification

Processor	Intel® Celeron® Bay Trail-M N2930 1.83GHz
System Chipset	Bay Trail SoC Chipset
System Memory	1 x DDR3L 1333MHz SO-DIMM, Default 4GB, Max. up to 8GB
Ethernet Controller	Intel® WG82574L GbE LAN
USB	1 x USB 3.0, 3 x USB 2.0
Storage	Default 64GB mSATA SSD Optional 128GB to 256GB
Second Storage(Optional)	: 64GB to 256GB 2.5" SSD

Mechanical and Power

Dimensions	139mm x 65.4mm x 152mm(L x W x H)
Construction	Metal housing
Power Input	9~36V DC IN (Isolation)
Power Consumption	25W max.
Mounting	DIN Rail

Operating System (Option)

Windows Embedded Standard 7
Windows 7 PRO for Embedded system
Windows Embedded 8 Standard
Windows Embedded 8.1 Industrial
Windows 10 IoT Enterprise

Certification

Class1, Division2, Group A, B, C, D
Temperature Code T4A
Ambient Temperature: -20ºC < Tamb < 60ºC UL508
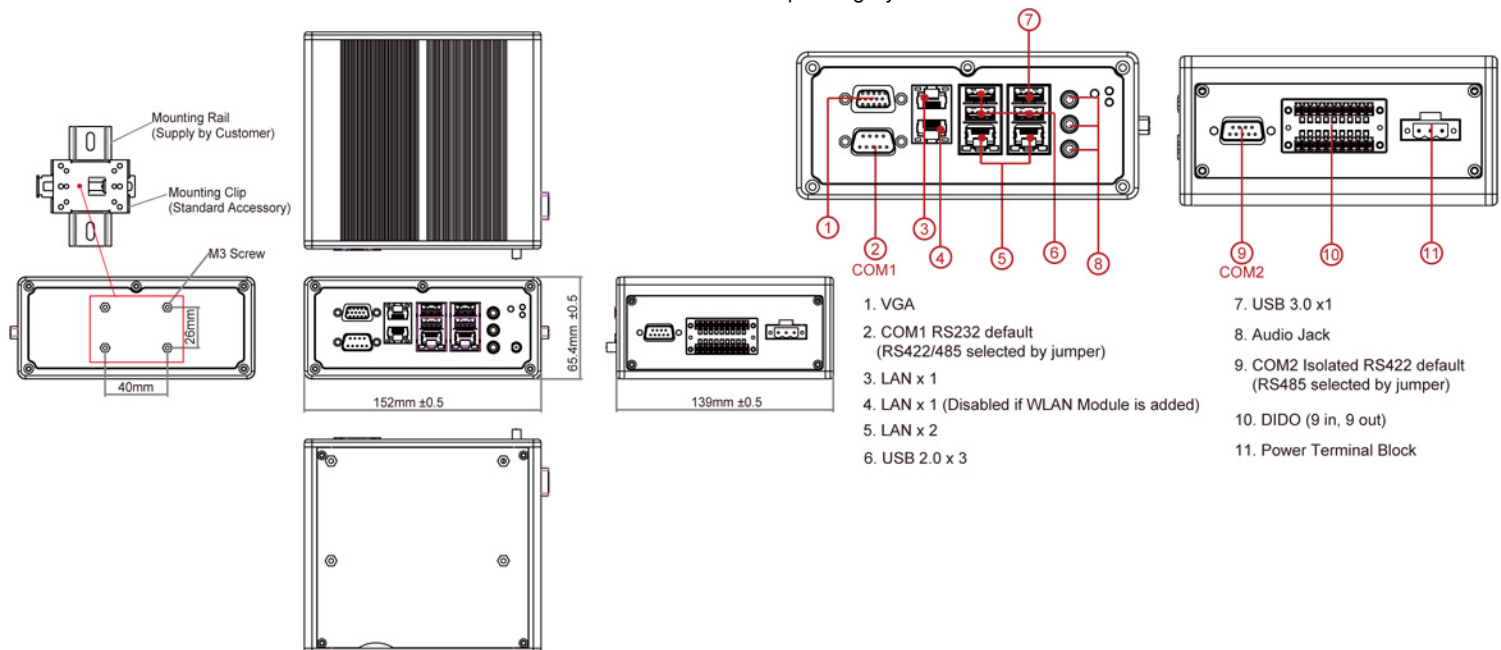ATEX II 3 G Ex nA IIC T4 Gc

I/O Connectors

Front Side I/O	1 x Power ON/OFF button with LED indicator
	1 x Line Out, Line In, Mic In
	4 x Giga LAN (LAN3 disabled if WLAN Module is added)
	1 x RS232(Default), RS422/485 Switch by jumper
	1 x VGA
	1 x USB3.0 3 x USB2.0
	1 x DC Power 3pin Terminal Block
	1 x Isolated RS422(Default), RS485 Switch by jumper
	1 x 20 pins terminal block DIDO (9in / 9out)

Environment Considerations

Operating Temperature	-20 to 60 deg.C
Storage Temperature	-40 to 80 deg.C
Operating Humidity	5% to 95% (non condensing)
Anti-Vibration	5Hz~500Hz / 1Grms/3 Axis
Anti Shock	15G, 11ms duration

Optional Ordering Information

Second Storage	Option 64GB to 256GB 2.5" SSD
Memory	Option to 8GB

IEEE 802.11 a/b/g/n WLAN Module
Operating System

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

COM1
1. VGA
2. COM1 RS232 default (RS422/485 selected by jumper)
3. LAN x 1
4. LAN x 1 (Disabled if WLAN Module is added)
5. LAN x 2
6. USB 2.0 x 3

COM2
7. USB 3.0 x1
8. Audio Jack
9. COM2 Isolated RS422 default (RS485 selected by jumper)
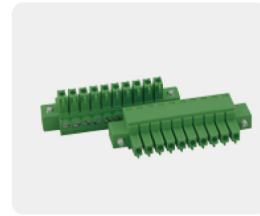10. DIDO (9 in, 9 out)
11. Power Terminal Block

Accessories List

-AC to DC 12V 36W Power Adapter
 (for test only, do NOT use in hazardous location)
-DIN Rail Mounting Clip
-Terminal Block 3pin to 2.5 Ø female adapter cable
-Terminal Block 10pin female connector for DIDO x2
-User Manual
-Driver CD
-Power Cable
-Cable Holder Kit

AC to DC 12V 36W
Power Adapter
(for test only)

Terminal Block 10pin
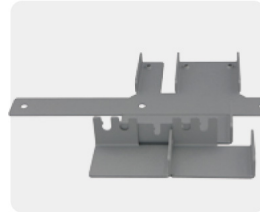female connector for DIDO x2

Power Cable

Terminal Block 3pin to 2.5 Ø
female adapter cable
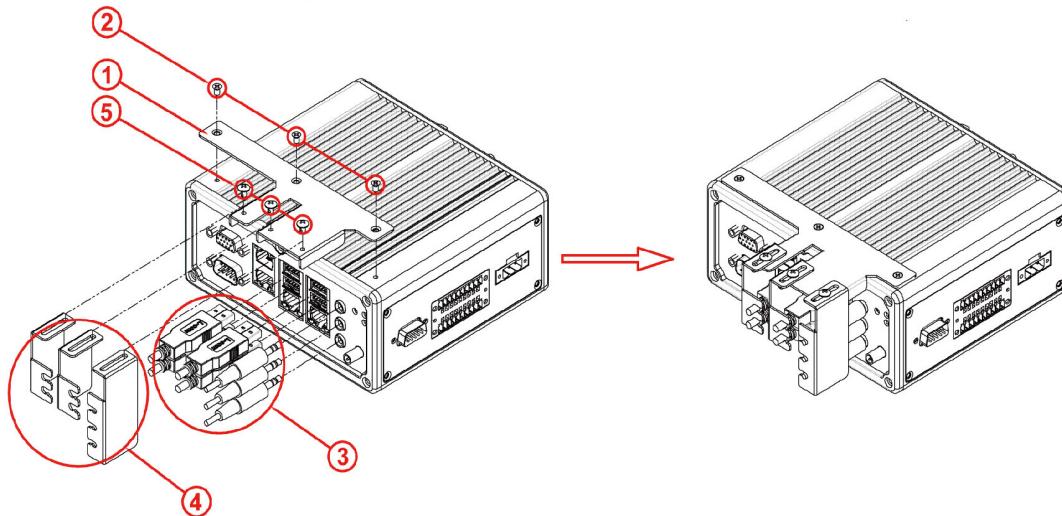
User Manual

Driver CD

Cable Holder Kit

DIN Rail Mounting Clip

Cable Holder Kit Concept

Find the cable arm bracket in the package, including the plate, bracket / holder, and screws
1-2.Install the plate on the top of the box and screw it tightly
3. Plug all the necessary cables into the connectors
4. Place the cable arm bracket according to the picture and then attach the bracket / holders to the plate
5. Fasten it for securing the installed cables

Protection Enclosure (Supply by Customer)

Mount the WPC200-C1D2 in ATEX or IECEx certified IP54 Enclosure for Hazloc. deployment

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