Ivy-Bridge Embedded Server PC

Embedded Automation Controller

IV7W-RK2U
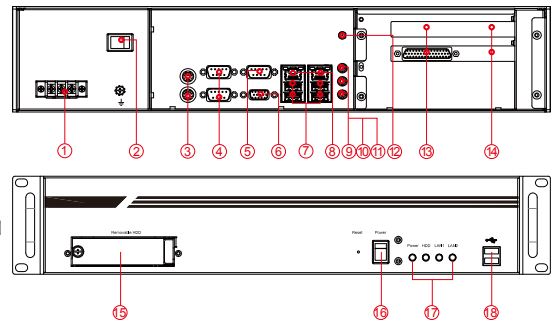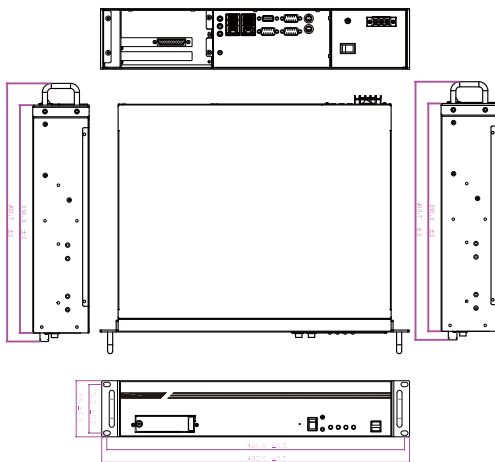

Optional front access - removeable 2.5" Drive Bay

Features:

- IEC 61850-3, IEC60068-2-64, IEC 60068-2-2 certified
- Intel® Core™ i7-3520M 2.6GHz Processor,Turbo Max to 3.6 GHz
- 4GB DDR3 1333/1600 SO-DIMM RAM
- 3 x Serial Port(1x RS222/RS422/RS485 select by jumper)
- 2 x Giga LAN, 6x USB, Line in, Line out, Mic in, PS/2 for Keyboard& Mouse
- Support TPM 1.2
- Support Dual 128GB SATA SSD (Up to 512GB)
- Mounting in 19" rack with 2U height
- Fanless cooling i7 Server PC

IV7W-RK2U

1. DC/AC Power Input With Acrylic Protect
2. Power Switch
3. PS/2 For Keyboard & Mouse
4. RS232 *2
5. RS232/422/485*1(Select by Jumper)
6. VGA
7. USB 3.0*4
8. Dual 10/100/1000 Base-T LAN Ports
9. Line in
10. Line out
11. Mic. in
12. GPS Ant.
13. RS232*4 (with pigtail cable)
14. PCI*2
15. front access - removeable 2.5" Drive Bay
16. Power On/Off
17. LED Indicators
18. USB 2.0*2

UNIT:mm

★ Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

System Specification

Processor	: Intel® Core™ i7-3520M Processor (3M Cache,Turbo Max to 3.6 GHz)
BIOS	: AMI System BIOS
System Memory	: DDR3 1333/1600 SO-DIMM Default 4GB (System Max. 16GB)
Ethernet Controller	: Broadcom BCM57780 GbE Controller
Serial	: 2 x RS-232 1 x RS-232/422/485(select by jumper)
USB	: 4 x USB 3.0 In Rear Side 2 x USB 2.0 In Front Side 1 x pin head inside with internal cable for USB connection
Watchdog Timer	: 10 levels
Storage	: 2 x 2.5" SATAIII HDD (up to 1TB) * or 2 x 2.5" SATAIII SSD (up to 512GB) * 1 x mSATA SSD 128GB (up to 256GB)
OS support	: Windows Server 2008 R2 (optional)

Mechanical and Power

Dimensions (L x W x H)	: 482.6mm x 88mm x 356mm
Construction	: Electroplated steel
Power Input	: 110V-240V DC/AC Input with ±20% range

Mounted in 19" rack with 2U height
Note: * Customer can only select either one (SATAIII SSD or SATAIII HDD)
* All Specifications are subject to change without prior notice!

I/O Connectors

Front Side I/O	: 1 x Power On/Off
	: 1 x Reset Button
	: 2 x USB 2.0
	: 1 x Dual HDD Replaceable Slot
Back Side I/O	: 1 x 3 Pin Acrylic Protected Connector for DC/AC Input
	: 2 x PS/2 for Keyboard & Mouse
	: 3 x Serial Ports (1x RS232/422/485 Select by jumper)
	: 2 x 10/100/1000 Mbps Ethernet
	: 4 x USB3.0
	: 1 x Mic in , Line out, Line in Jack
	: 4 x RS232 (With Special Cable)
	: GPS Ant.
Indicator	: LED for Power, HDD, Ethernet

Environment Considerations

Operating Temperature	: -40~70℃
Operating Humidity	: 10% to 95% (non condensing)
Certificate	: IEC 61850-3, IEC60068-64, IEC 60068-2-2, CE, FCC