

Ivy-Bridge Embedded Server PC

Intel® HM76 Platform

Embedded Automation Controller

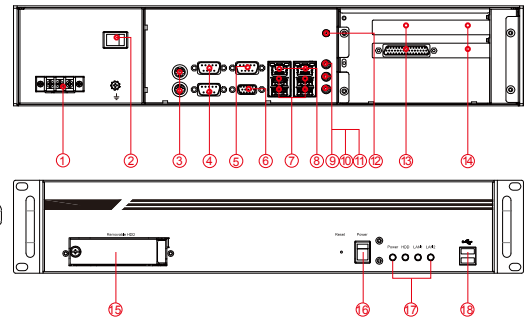
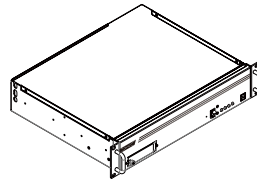
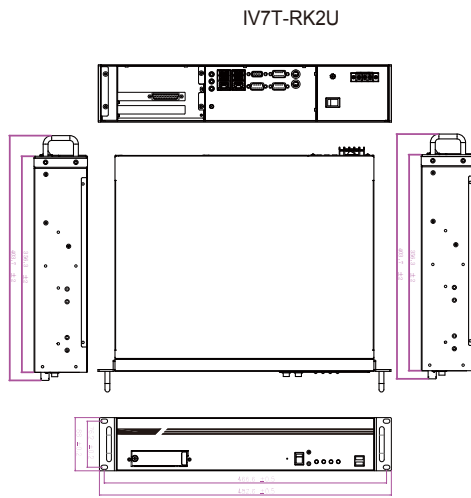
IV7T-RK2U



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 2.5" SATA SSD
- Mounting in 19" rack with 2U height
- Fanless cooling i7 Server PC



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. Optional RS232*4 (with pigtail cable)
14. Optional PCI*2
15. Optional 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 |
| Watchdog Timer | : 10 levels |
| Storage | : 1 x SATAII& 1 x SATAIII SSD (Up to 512GB)/ HDD(Up to 1TB) SATAIII mSATA SSD x 1 (Up to 256GB) |
| OS support | : Windows Server 2008 R2 (optional) Windows Embedded Standard 7 |

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, Optional) : GPS Ant. (Optional) |
| Indicator | : LED for Power, HDD, Ethernet |

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: All Specifications are subject to change without prior notice!

Environment Considerations

| | |
|-----------------------|---|
| Operating Temperature | : -10~60°C |
| Operating Humidity | : 10% to 95% (non condensing) |
| Certificate | : IEC 61850-3, IEC60068-64, IEC 60068-2-2, CE, FCC |

| Rev. | Reasons | Revised Date |
|------|---------------|--------------|
| 1.0 | First release | Oct-14-14 |
| 1.1 | Spec change | Nov-25-14 |

Revised Date:11/25/2014



www.ipc2u.ru www.ipc2u.de www.sovio.com Date: 02/2015 Rev.01