

# JetI/O 6512

## Intelligent 4-CH RTD Input Ethernet I/O Server



- Ethernet I/O server with 4 Channel RTD Input
- 16 bits resolution and high accuracy
- Support 3-/4-/5-wire PT100, Ni120 types RTD
- High/Low Temperature active alarm
- Support OPC Server Driver
- Windows Utility, OPC Server Utility, Modbus/TCP protocol, SNMP and web display
- Built-in watchdog timer and real-time clock
- Din-Rail Mount with Robust Aluminum case and IP31 protection

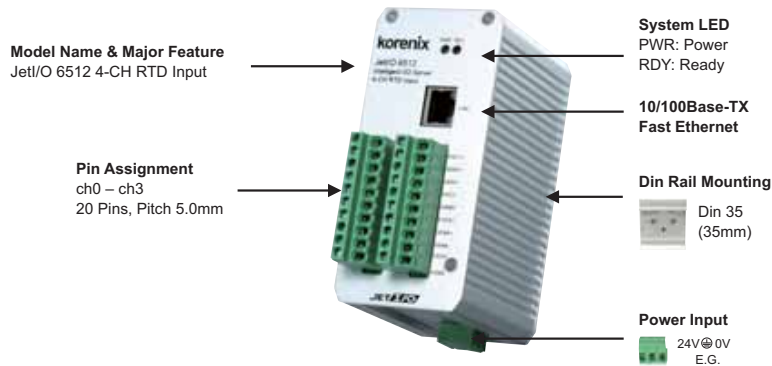


### Overview

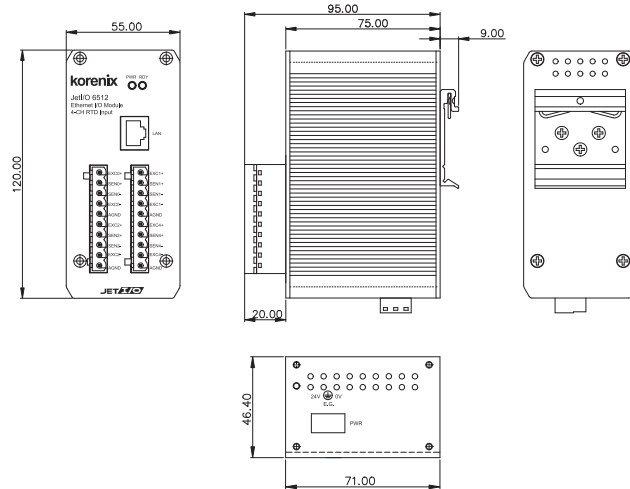
JetI/O 6512 is an intelligent I/O server equipped with 4 RTD Input channels. JetI/O 6512 provides 16 bit resolution and high accuracy for temperature measurement. The supported RTD types include PT100 and Ni120. The temperature range is from -100 to 600°C. JetI/O 6512 provides Windows Utilities, SNMP and

Web configuration. Industrial Modbus/TCP protocol and OPC Server driver for integrating JetI/O with existing HMI/SCADA. Robust aluminum case with good heat dispersing and IP31 protection. With JetI/O users can easily perform status monitoring and control remote I/O devices.

### JetI/O 6512 Appearance



## Dimensions (Unit –mm)



- Industrial PoE Switch
- IP67/68 Ethernet Switch
- Rackmount Managed Switch
- Gigabit Switch
- Redundant Switch
- Entry-Level Switch
- Networking Computer
- Communication Computer
- Ethernet I/O Server
- Serial Device Server
- Media Converter
- Multiport Serial Card
- SFP Module
- Din Rail Power Supply

## Specification

### System

**CPU:** 100MHz, RISC-Based  
**SDRAM:** 32K bytes  
**Flash ROM:** 512K bytes  
**EEPROM:** 256 bytes  
**Watchdog Timer:** 1.0 sec H/W

**LED:**  
 PWR: Power Input plugged and On (Green)  
 RDY: System startup ready (Red)

### Network Interface

**Ethernet:** IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX  
**Connector:** 1 \* RJ45, Auto MDI/MDI-X  
**Protection:** Built-in 1.5 KV magnetic isolation protection

**LED:**  
 Upper (LAN Activity): Orange On & Blinking  
 Lower(10M/100M): 10M (Green Off) /100M(Green ON)

### RTD Input

**Channels:** 4 channels RTD  
**Resolution:** 16 bits  
**Input Type:** Pt100 and Ni120 RTD  
**Input Connections:** 3, 4 or 5 wire

**Input Range:**  
 Pt100 (-100°C~100°C α=0.00385)  
 Pt100 ( 0°C~100°C α=0.00385)  
 Pt100 ( 0°C~200°C α=0.00385)  
 Pt100 ( 0°C~600°C α=0.00385)  
 Pt100 (-100°C~100°C α=0.00392)  
 Pt100 ( 0°C~100°C α=0.00392)  
 Pt100 ( 0°C~200°C α=0.00392)  
 Pt100 ( 0°C~600°C α=0.00392)  
 Nickel 120Ω (-80°C ~ 260°C α=0.00672)

**Accuracy:** ±0.01% of FSR ±1LSB

**Sampling Rate:** 10 samples/sec (total)  
**Input Impedance:** 10 MΩ  
**Calibration:** On Board EEPROM  
**Isolation Voltage:** 2500Vrms

### Feature

**Network Protocols:** IP, TCP, UDP, SNMP, Telnet, HTTP, BOOTP, DHCP, Modbus/TCP, OPC Server  
**Configuration:** Windows Utility, Web, SNMP, DHCP Client, BootP for firmware update  
**Windows Utility:** Block I/O Utility  
**OPC Server Utility:** Built-in OPC Server for Modbus/TCP  
**SNMP:** MIB-II: System, SNMP Trap and Private MIB  
**SNMP Trap Server:** Up to 4 SNMP Trap Server  
**I/O Rules:** High-/Low- Voltage/Current alarms

### Power Requirement

**System Power:** external unregulated +24V (18-32V)

**Power Consumption:** Max. 2.88 W

### Mechanical

**Dimensions:** 120 (H) x 55 (W) x 75 (D) mm  
**Mounting:** Din-Rail  
**Material:** Aluminum

### Environmental

**Regulatory Approvals:** CE, FCC Class A  
**Operating Temperature:** -25 ~ 70°C  
**Operating Humidity:** 0 ~ 95% non-condensing  
**Storage Temperature:** -40 ~ 80°C  
**Warranty:** 3 years

### Ordering Information

**Jet/I/O 6512 Intelligent 4-CH RTD Input Ethernet I/O Server**