

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

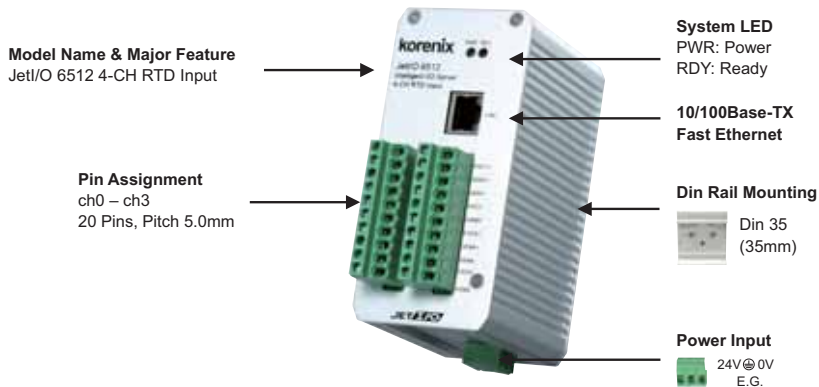


Overview

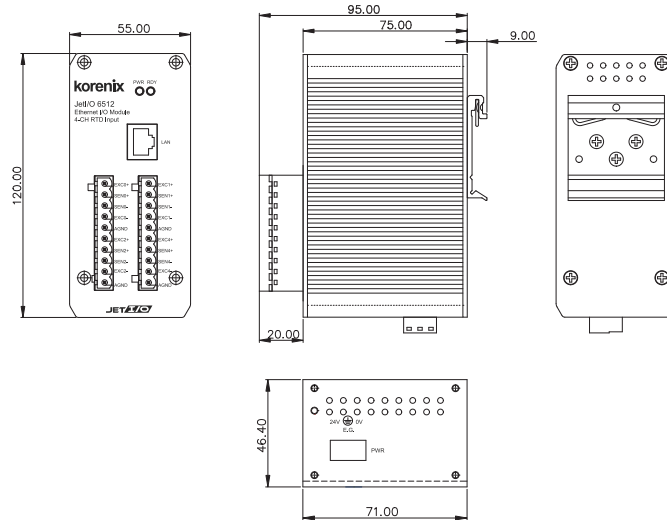
JetI/O 6512 is an intelligent I/O server equipped with 4 RTD Input channels. JetI/O 6512 provides 16 bit resolution and high accuracy for temperature measurement. The supported RTD types include PT100 and Ni120. The temperature range is from -100 to 600°C. JetI/O 6512 provides Windows Utilities, SNMP 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
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 $\alpha=0.00385$)
 Pt100 (0°C~100°C $\alpha=0.00385$)
 Pt100 (0°C~200°C $\alpha=0.00385$)
 Pt100 (0°C~600°C $\alpha=0.00385$)
 Pt100 (-100°C~100°C $\alpha=0.00392$)
 Pt100 (0°C~100°C $\alpha=0.00392$)
 Pt100 (0°C~200°C $\alpha=0.00392$)
 Pt100 (0°C~600°C $\alpha=0.00392$)
 Nickel 120Ω (-80°C ~ 260°C $\alpha=0.00672$)

Accuracy: $\pm 0.01\%$ of FSR ± 1 LSB

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