

JetI/O 6512

Intelligent 4-CH RTD Input Etherent I/O Server



- Ethernet Block I/O 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 management
- Built-in watchdog timer and real-time clock
- Din-Rail Mount with Robust Aluminum case and IP31 protection



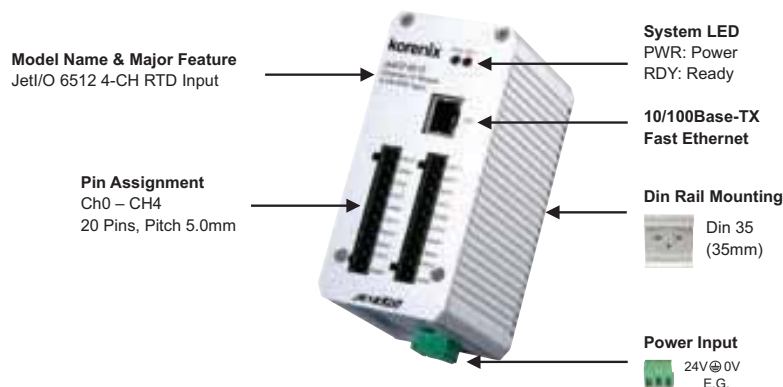
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Overview

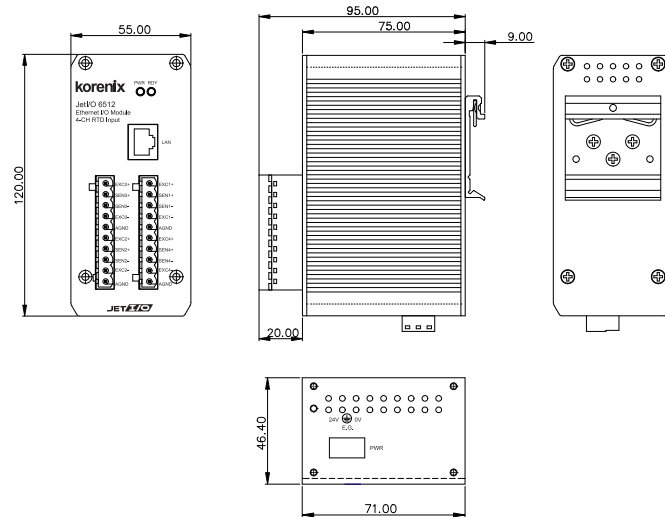
JetI/O 6512 is a Block I/O module equipped with 4 channels RTD Input connectors. JetI/O 6512 provides 16 bit resolution and high accuracy for temperature measurement. The supported RTD types include PT100 and Ni120 types. The 6512 also supports NTC thermistors. The temperature range is from -100 to 600°C.

JetI/O 6512 provides Windows Utilities, SNMP and Web for configuration. Industrial Modbus/TCP protocol and OPC Server driver for integrating JetI/O with existed HMI/SCADA. Robust aluminum case with good heat dispersing and IP31 protection. With JetI/O users can easily perform status monitoring and control the remote I/O devices.

JetI/O 6512 Appearance



Dimensions



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 * RJ-45, 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 120 α (-80°C ~ 260°C $\alpha=0.00672$)

Accuracy: $\pm 0.01\%$ of FSR ± 1 LSB

Sampling Rate: 10 samples/sec (total)

Input Impedance: 10 M Ω

Calibration: On Board EEPROM

Isolation Voltage: 2500Vrms

Feature

Network Protocols: IP, TCP, UDP, SNMP, HTTP, Telnet, BOOTP, DHCP, Modbus/TCP, OPC Server

Configuration: Windows Utility, Web, SNMP, DHCP Client, TFTP Server for firmware update

Windows Utility: Block I/O Utility, Device Finder 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 Infomation

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