

JetI/O 6512

Managed Ethernet 4-CH RTD Input Module



- Ethernet Block I/O with 4 Channel RTD Input
- 16 bits resolution and high accuracy
- Support 3-/4-/5-wire PT100, Ni120 types RTD
- Support Negative Temperature Coefficient (NTC) Thermistor
- 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



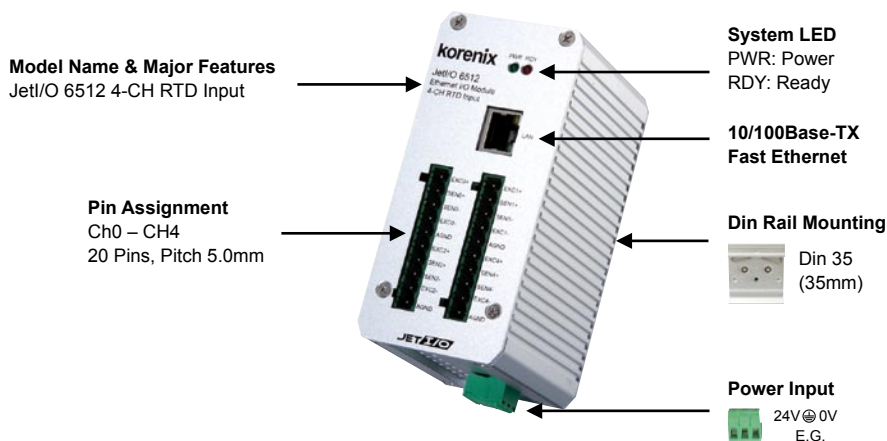
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Overview

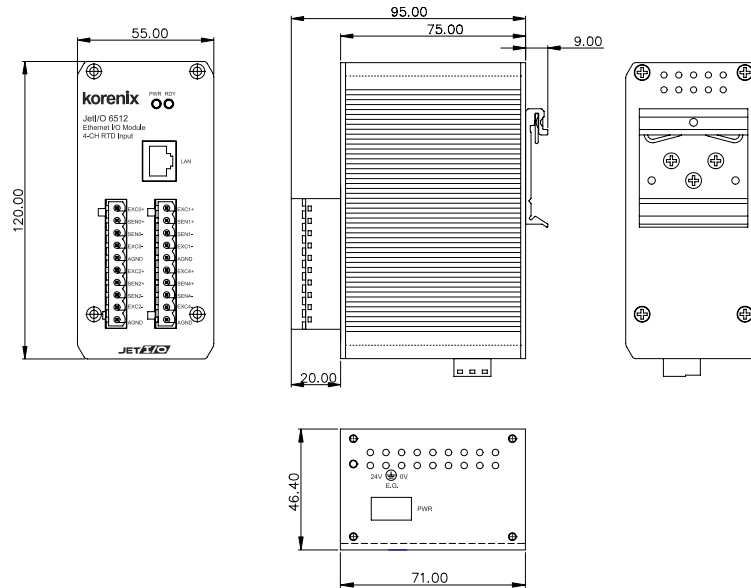
JetI/O 6512 is a Block I/O module equipped with 4 channels RTD Input connectors. JetI/O 6512 provides 16 bit resolution and high accuracy for temperature measurement. The supported RTD types include PT100 and Ni120 types. The 6512 also supports NTC thermistors. The temperature range is from -100 to 600°C.

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: 16 bits/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 Ω (-80°C ~ 260°C $\alpha=0.00672$)

NTC Thermistors, NTC 2.2, NTC 10, NTC 10-KB

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 browser, Telnet, SNMP, DHCP Client, TFTP Server for firmware update

Windows Utility: Block I/O Utility, Device Fider 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

Program: C++ Example code by optional

Power Requirements

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: -10 ~ 70°C

Operating Humidity: 20 ~ 90% non-condensing

Storage Temperature: -20 ~ 80°C

Warranty: 3 years

Ordering Infomation

Jet/I/O 6512 Industrial Managed Ethernet 4-CH RTD Input module.