

Jet/I/O 6512

Intelligent 4-CH RTD Input Ethernet I/O Server



Best IO Modules
of Automation-
2009



CE FC RoHS

- 4-CH RTD
- P2P
- SDK
- Modbus/TCP
- Free OPC
- Win 7

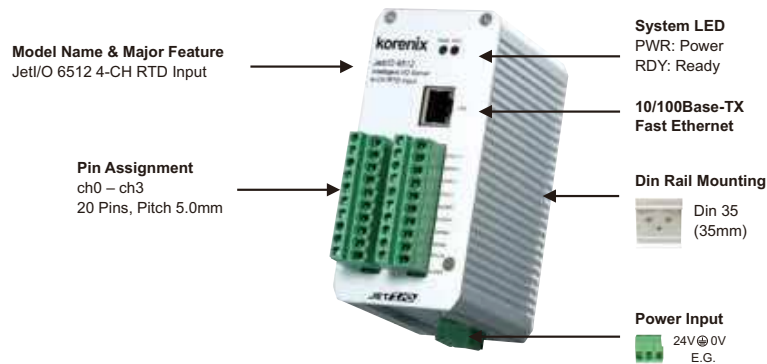
- Ethernet Block I/O with 4 Channel RTD Input
- 16 bits resolution and high accuracy
- Supports 3-/4-/5-wire PT100, Ni120 types RTD
- High/Low Temperature active alarm
- Intelligent Condition&Go (IF-Then) logic rules
- Flexible peer-to-peer I/O through one-to-one, one-to-many, many-to-one, and many-to-many communication
- Unicast for network efficiency and true remote I/O
- Free OPC server and Modbus/TCP support
- Windows Utility / SNMP / Web for easy configuration and management
- Built-in watchdog timer and real-time clock
- IP31 grade case protection
- -25~70°C operating temperature for hazardous environmental application

Overview

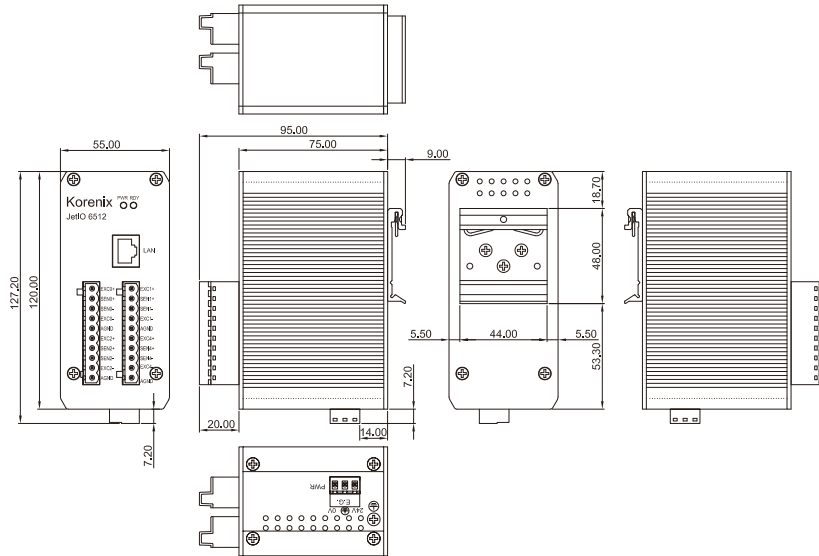
Jet/I/O 6512 is an intelligent I/O server equipped with 4 RTD Input channels. Jet/I/O 6512 provides 16 bit resolution and high accuracy for temperature measurement. The supported RTD types include PT100 and Ni120. The temperature range is from -100 to 600°C. Jet/I/O 6512 provides Windows Utilities, SNMP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

Web configuration, industrial Modbus/TCP protocol and OPC Server driver for integrating Jet/I/O with existing HMI/SCADA. It also features robust aluminum case with good heat dispersing and IP31 protection. With Jet/I/O users can easily perform status monitoring and control remote I/O devices.

Jet/I/O 6512 Appearance



Dimensions (Unit = mm)



- Industrial Intelligent NMS
- Rackmount PoE Plus Switch
- Industrial PoE Plus Switch
- Industrial 12-24V PoE Switch
- Industrial PoE Switch
- Rackmount L3/L2 Switch
- Gigabit Managed Switch
- Managed Ethernet Switch
- Entry-level Switch
- Wireless Outdoor AP
- Embedded PoE/Router Computer (LINUX)
- Industrial Communication Computer (WIN/LINUX)
- Ethernet/PoE/Serial Board
- Ethernet I/O Server**
- Media Converter
- Serial Device Server
- SFP Module
- Din Rail Power Supply

Specifications

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

Flexible peer-to-peer I/O: one-to-one, one-to-many,

and many-to-many communication

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

Logic Condition&Go Rules: Conditions of the temperature

values, Actions include the Trap

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