JetI/O

JetI/O 6511

Intelligent 8-CH Thermocouple Input Ethernet I/O Server

Best IO Modules of Automation-2009

CE FC RoHS

8-CH Thermocouple | P2P | SDK

Modbus/TCP | Free OPC | Win 7

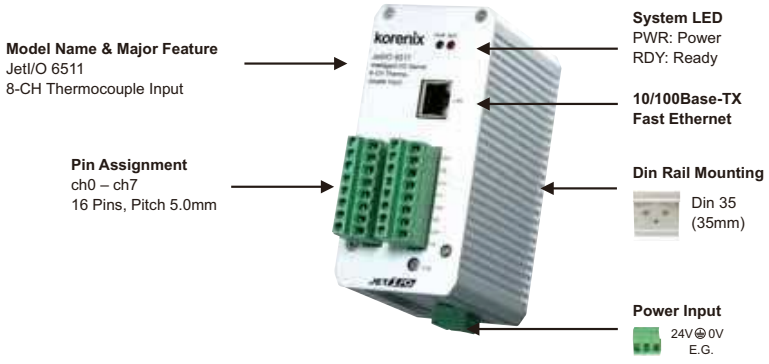
- Ethernet Block I/O with 8 Channel Thermocouple Input, low voltage and wide range current Analog Input
- 16 bits resolution and high accuracy
- Accurate measurements with cold junction compensation
- High/Low Temperature/Current/voltage active alarm
- Intelligent Condition&Go (IF-Then) logic rules
- 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

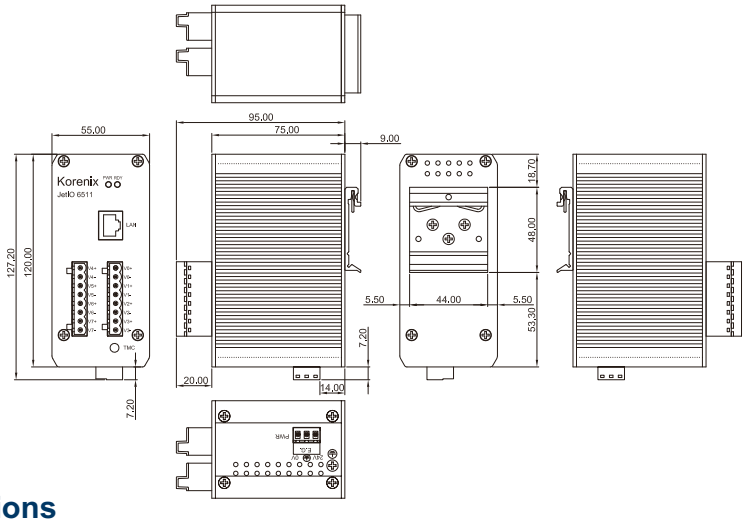
JetI/O 6511 is an intelligent I/O server equipped with 8 Thermocouple Input channels, low voltage and wide range current Analog Input. JetI/O 6511 provides 16 bits resolution and high accuracy for temperature measurement. To make accurate measurements, the temperature can be compensated by cold junction compensation (CJC).

JetI/O 6511 provides Windows Utilities, SNMP and Web configuration, industrial Modbus/TCP protocol and OPC Server driver for integrating JetI/O with existing HMI/SCADA. It also features 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 6511 Appearance



Dimensions (Unit = mm)



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)

Thermocouple / Analog Input
Channels: 8 Differential
Resolution: 16 bits
Input Type: Thermocouple (T/C), mV, V, mA
Input Range: Voltage: ±2.5V, ±1V, ±500mV, ±100mV, ±50mV, ±15mV
Current: ±20mA with external 125Ω resistor
Temperature Input Range: K/J/N/C/E/B/T/R/S type T/C

Type	Range
K	-100°C ~ 1000°C
J	-100°C ~ 900°C
N	-270°C ~ 1300°C
C	10°C ~ 2310°C
E	-240°C ~ 2310°C
B	0°C ~ 1800°C
T	-270°C ~ 400°C
R	-50°C ~ 1530°C
S	-50°C ~ 1700°C

T/C Open Circuit Detection: Yes
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, 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, many-to-one, and many-to-many communication
Windows Utility: Block I/O Utility
OPC Server Utility: 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 AI and temperature values, Actions include the Trap

Power Requirement
System Power: external unregulated +24V (18-32V)
Power Consumption: Max. 3.2 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
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