

JetI/O 6511

Managed Ethernet 8-CH Thermocouple Input Module

- 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
- 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 protectionn



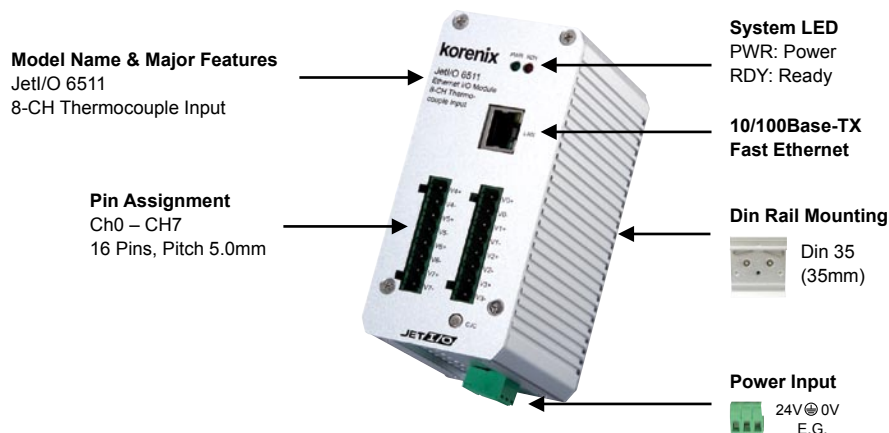
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Overview

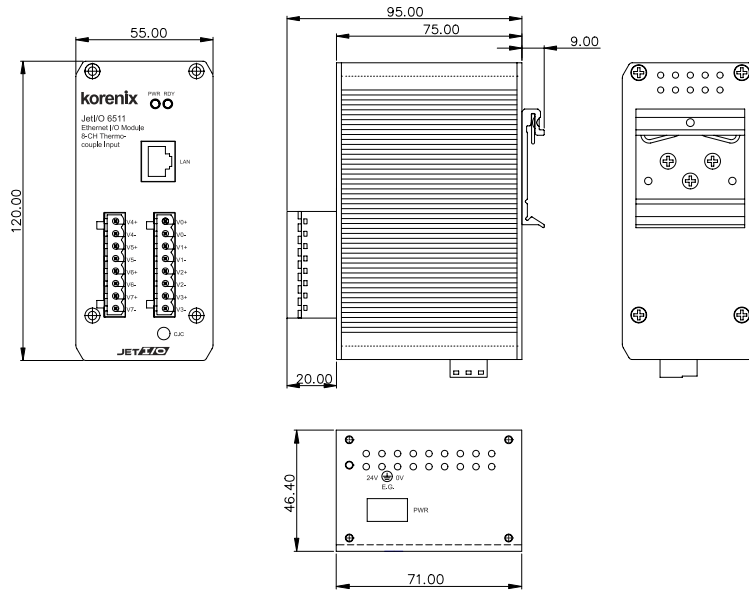
JetI/O 6511 is a Block I/O module equipped with 8 channels Thermocouple Input, low voltage and wide range current Analog Input. JetI/O 6511 provides 16 bits resolution and high accuracy for temperature measurement. To make accurate measurements, the temperature can be compensated by cold junction compensation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

JetI/O 6511 provides Windows Utilities, SNMP and Web 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 6511 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)

Thermocouple / Analog Input

Channels: 8 Differential

Resolution: 16 bits

Input Type: Thermocouple (T/C), mV, V, mA

Input Range (Voltage/Current):

±2.5V, ±1V, ±500mV, ±100mV, ±50mV, ±15mV, ±20mA

Temperature Input Range: K/J/N/C/E/B/T/R/S 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 M Ω

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

Windows Utility: Block I/O Utility, Device Fider 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

Program: C++ Example code by optional

Power Requirements

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: -10 ~ 70°C

Operating Humidity: 20 ~ 90% non-condensing

Storage Temperature: -20 ~ 80°C

Warranty: 3 years

Ordering Information

JetI/O 6511 Industrial Managed Ethernet 8-CH Thermocouple Input module.