# JetI/O 6510

## Intelligent 8-CH Analog Input Ethernet I/O Server

**Best IO Modules of Automation-2009**

Modbus IDA MEMBER

CE FC RoHS

8-CH Analog Input | P2P | SDK
Modbus/TCP | Free OPC | Win 7

- Ethernet Block I/O with 8 Channel Analog Input from 150mV to 10V, 20mA
- 16 bits resolution and high accuracy
- High/Low Voltage/Current 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
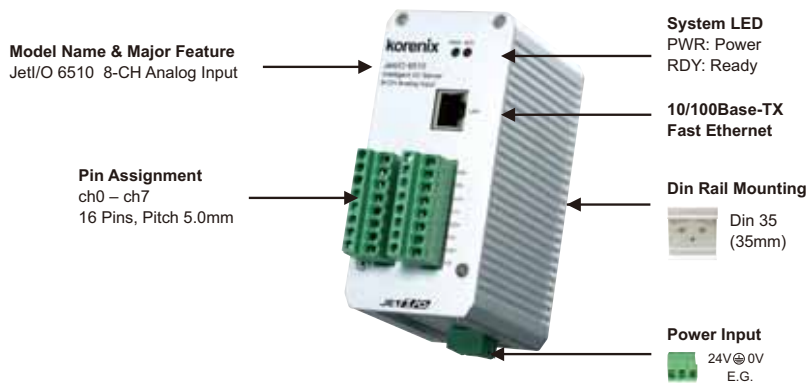- -25~70°C operating temperature for hazardous environmental application

## Overview

JetI/O 6510 is an intelligent I/O server equipped with one Ethernet port and 8 Analog Input channels.
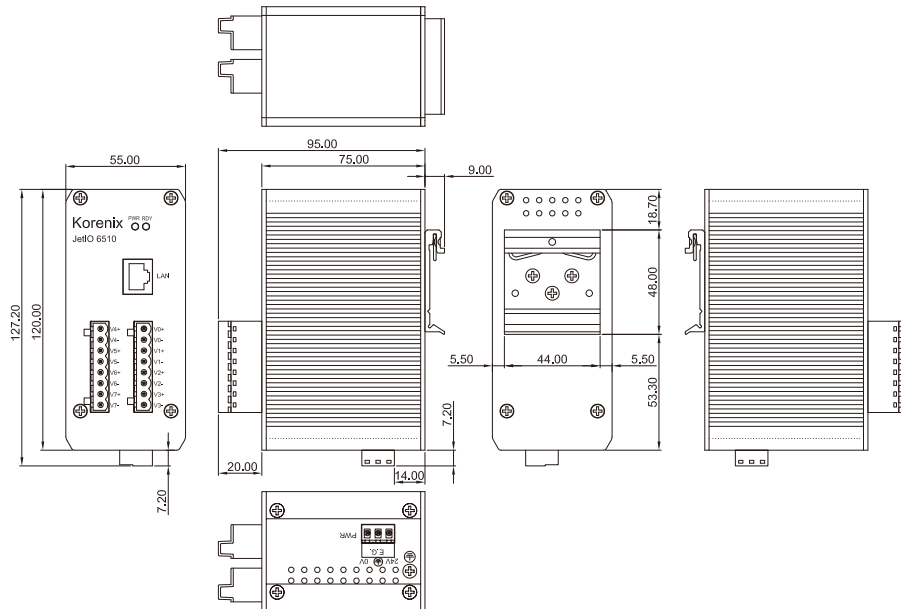
JetI/O 6510 provides 16 bits resolution and high accuracy for I/O data collecting. The analog input range can support from 150mV to 10V and 20mA. The values are most adopted in the industrial environment.

JetI/O 6510 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 of remote I/O devices.

## JetI/O 6510 Appearance

**Model Name & Major Feature**
JetI/O 6510  8-CH Analog Input

**Pin Assignment**
ch0 – ch7
16 Pins, Pitch 5.0mm

**System LED**
PWR: Power
RDY: Ready

**10/100Base-TX Fast Ethernet**

**Din Rail Mounting**
Din 35 (35mm)

**Power Input**
24V 0V
E.G.

A Beijer Electronics Group Company

## 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)

### Analog Input
**Channels:** 8 Differential
**Resolution:** 16 bits
**Input Range: Voltage:** ±10V, ±5V, ±1V, ±500mV, ±150mV
          **Current:** ±20mA with external 125Ω resistor
**Accuracy:** ±0.05% 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, SNMP, Web, 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 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
**JetI/O 6510 Intelligent 8-CH Analog Input Ethernet I/O Server**