

# JetI/O 6550

## Intelligent 14-CH DI and 8-CH DO Etherent I/O Server



- 14-Ch Digital Input with DI and Event Counter mode
- 8-Ch Digital Output with DO and Pulse Output mode
- Intelligent Condition-&-Go (IF-Then) logic rules
- Active events by logic rules or SNMP Trap
- Support OPC Server Driver
- Windows Utility, OPC Server Utility, Modbus/TCP protocol, SNMP and web display
- Built-in watchdog timer and real-time clock
- Din-Rail Mount, Robust Aluminum case with IP31 protection

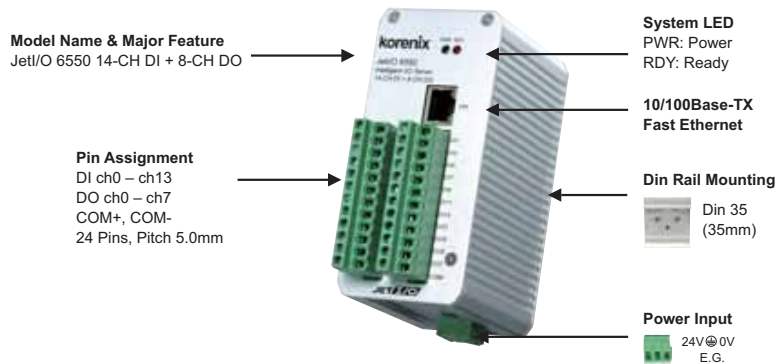


### Overview

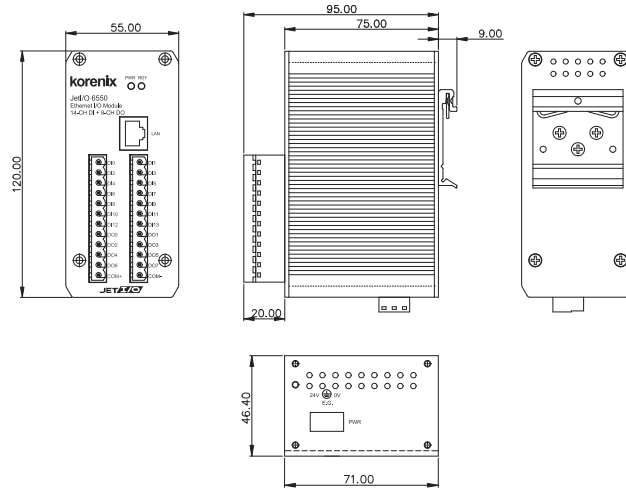
JetI/O 6550 is an intelligent I/O server equipped with 14 Digital Input, 8 Digital Output channels. JetI/O 6550 provides digital input and event counter for input mode, digital output and pulse output for output mode. The flexible Condition-&-Go (IF-Then) rules can help users to define intelligent logic rules for remote I/O control.

JetI/O 6550 provides Windows Utilities, SNMP and Web configuration. Industrial Modbus/TCP protocol and OPC Server driver for integrating JetI/O with existing 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 6550 Appearance



## Dimensions (Unit –mm)



- Industrial PoE Switch
- IP67/68 Ethernet Switch
- Rackmount Managed Switch
- Gigabit Switch
- Redundant Switch
- Entry-Level Switch
- Networking Computer
- Communication Computer
- Ethernet I/O Server
- Serial Device Server
- Media Converter
- Multiport Serial Card
- SFP Module
- Din Rail Power Supply

## Specification

### 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)

### Digital Input

**Input Channels:** 14 Channels  
**Input Type:** source type  
**Input Mode:** D/I or event counting with input frequency of 100 Hz max  
**DC Input:** 30V max  
**Threshold Voltage:** 4V  
**Responding Time to Host PC Request:** <2ms  
**Isolation Voltage:** 2500Vrms  
**Digital Output**  
**Output Channels:** 8 Channels  
**Output Type:** SSR output, sink type  
**Output Mode:**  
 Level output or pulse output with programmable pulse width  
**Working Range:** 5-40VDC

**Driving Capacity:** 250mA max  
**Responding Time to Host PC Request:** <2ms  
**Output Initial State:** Programmable  
**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  
**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 3 SNMP Trap Server  
**Logic Condition&Go Rules:** Conditions of the DI/Counter values, Actions include DO/Pulse, Counter Reset and Trap  
**Logic Rules Remote mirror mode:** Single host to host, Condition of DI and Action of DO

### Power Requirement

**System Power:** external unregulated +24V (18-32V)

**Power Consumption:** Max. 1.92W

### 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 6550 Intelligent 14-CH DI and 8-CH DO Ethernet I/O Server**