

VOLKTEK's INS-8008 has 8 ports with each port featuring auto-negotiation and auto MDI/MDI-X detection. Existing 10Mbps networks can now be upgraded effortlessly to higher speed 100Mbps Fast Ethernet networks. The INS-8008 8-port density can be used to create multiple segments to alleviate client congestion and provide dedicated bandwidth to each user node. The INS-8008 is a cost-effective solution to keep up with the constant demands for emerging IP-based industry communication needs.



Featuring 8 independent 10/100 Fast Ethernet switch ports, the INS-8008 switch delivers unrivalled performance for small to medium-sized networks. The unit offers a cost-efficient 8-port density along with Auto-Negotiation capabilities wrapped together in a simple to setup and install solution.

Maximize Data Output - Supports full wire speed on all ports at a rate of 148,800 packets per second. Store-and-Forward switching architecture provides low latency.

**Main Features:**

- ◆ 8-port 10/100 Mbps Auto-Negotiation Ethernet ports
- ◆ Comprehensive front-panel diagnostic LEDs
- ◆ Supports Auto-MDI/MDI-X
- ◆ Full/half-duplex transfer modes for each port
- ◆ Wire speed reception and transmission
- ◆ Store-and-forward switching method
- ◆ Integrated address Look-Up Engine, supports 2K absolute MAC address
- ◆ Support surge protection
- ◆ IEEE 802.3x flow control for full-duplex
- ◆ Support 35mm DIN RAIL
- ◆ FCC Class A and CE approval



Performance: Ethernet: 10 Mbps (half-duplex)  
20 Mbps (full-duplex)

LEDs:

Per unit: 1 x Power (PWR), green

Per port: 1 x Link/ACT (LNK/Activity),

	Fast Ethernet: 100 Mbps (half-duplex) 200 Mbps (full-duplex)		green 1 x Speed (100 Mbps), green
Connectors & Cabling:	10BASE-T ports: RJ-45 connectors; two-pair category 3, 4, or 5 unshielded twisted-pair (UTP) cabling, EIA/TIA 100-ohm shielded twisted-pair (STP) 100BASE-TX ports: RJ-45 connectors; two-pair Category 5 UTP cabling, EIA/TIA 100-ohm shielded twisted-pair (STP) Topology: Star Mounting: 35mm DIN Rail	Power: Environment: Storage: Dimension: Standards: Emissions:	DC Input Voltages: +18~30V DC Hysteresis: 3V MIN. ( turn on: 17~16V , turn off: 14~12V) Surge protection 1KV @ 24VDC Ripple test: meet EN/IEC 61131-2 Power Consumption: 3 watts (max) Operating Temperature: 0°C~70°C Relative Humidity: 5%~95%, non-condensing Temperature: -20°C~80°C Relative Humidity: 5%~95%, non-condensing Height: 73.8 mm Width: 109.2 mm Depth: 23.4 mm Case: Metal IEEE 802.3 10BASE-T specification IEEE 802.3u 100BASE-TX and 100BASE-FX specification IEEE 802.3x Flow control CE Mark: Class A Emissions: FCC Class A,

### Ordering Information:

**INS-8008**

DIN Rail Mount 8-port 10/100 Industry Ethernet Switch

(Feb 2008)  
Specifications subject to change without prior notice.