

# IS-0005F

5-port 10/100 Base-TX Fast Ethernet Industrial Unmanaged Switches

Auto Negotiation

Store & Forward

Flow Control



Full-Duplex

QoS

LED



## Features

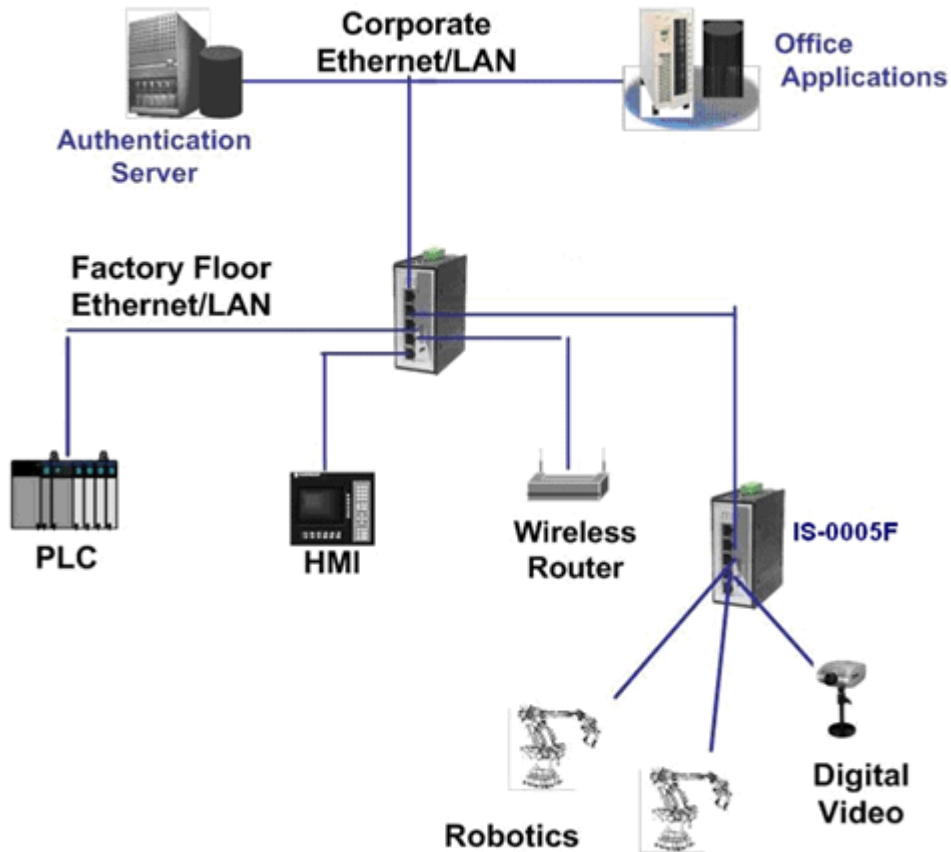
### Features

- Complies with IEEE 802.3 (10Base-T) & 802.3u (100Base-TX) standards
- 5-port 10/100Mbps Auto-Negotiation Ethernet ports
- 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 1K absolute MAC address
- Supports 64KB RAM for data buffering
- Port-based QoS (port#1 only)
- IEEE 802.3x flow control for full-duplex
- Back pressure for half-duplex
- Redundant power supply with terminal block
- Wall mount or Din-Rail mountable installation
- LED indicators for link actives status

### Applications

- Industrial/Factory/Laboratory automation SCADA systems
- Self-service banking systems
- Factory robots and HVAC control systems
- Wafer fabrication systems
- Point of Sale (POS) systems
- Security cameras or other remote distributed serial devices
- Any application where ruggedness, durability and shock/vibration-proof qualities are required

## Connection Sample



## Specification

<b>Model</b>	<b>IS-0005F</b>
<b>Standard Complies</b>	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3x flow control
<b>Port Configuration</b>	-5 ports RJ-45 connectors for 10/100BASE-TX -Auto MDI/MDI-X -Auto-negotiation
<b>Transmission method</b>	Store-and-forward, with IEEE802.3x full duplex, non-blocking flow control
<b>Flow Control</b>	Full Duplex: IEEE802.3X Half Duplex: Back Pressure
<b>Filtering/Forwarding Rates</b>	10Mbps port:14,880pps 100Mbps port:148,800pps
<b>Buffer Memory</b>	64KB
<b>MAC Address</b>	1,000 entries
<b>Internal Bus Speed</b>	1 Gbps
<b>Power Supply</b>	9 ~ 48V DC
<b>Power Consumption</b>	4 Watt (Max.)

<b>Operating temperature</b>	-10°C to 70°C
<b>Storage temperature</b>	-20°C to 80°C
<b>Operating humidity</b>	10% to 95% relative humidity, non-condensing
<b>Storage humidity</b>	5% to 95% relative humidity, non-condensing
<b>DIN-Rail mounting</b>	Supported 35mm
<b>Redundant power input</b>	Supported
<b>Dimension (W x D x H)</b>	50mm x 100mm x 120mm
<b>Weight</b>	700g
<b>Certification</b>	FCC Class A, CE, VCCI
<b>Enclosure</b>	Metal case
<b>Ingress Protection</b>	IP30
<b>LED</b>	Power, Link/Act.

**PLANEX COMMUNICATIONS INC**  
[www.planex.net](http://www.planex.net)