

**Messenger Series**

Rugged industrial communications devices for SCADA systems

5-Port Industrial Ethernet Switch

Lets multiple Ethernet Devices share a network connection in harsh environments

- Five-port 10/100 Fast Ethernet Switch – share a network connection with no contention
- Unmanaged switch – no configuration needed
- Auto speed, duplex and flow control negotiation – plug and play with various devices
- Auto MDX/MDI-X connection – never requires a crossover cable
- Link Status and Activity LED indicators for easier system troubleshooting
- Low-power and smart power management for solar/battery backed applications
- 10Vdc to 30Vdc DC power, ideal for battery backed systems
- Compact designs saves panel space
- Snap-on DIN Rail Mounting
- Wide operating Temperature Range: -40°C to +70°C
- 3-year factory warranty on parts and labor



Industrial Ethernet Switch

Five-port 10/100 Ethernet Switch – Interconnect up to five fast Ethernet devices with no throughput limiting contention. Need more connectivity? Simply daisy-chain switches as required.

Galvanic Isolation – Transformer isolation on each port eliminates ground loops.

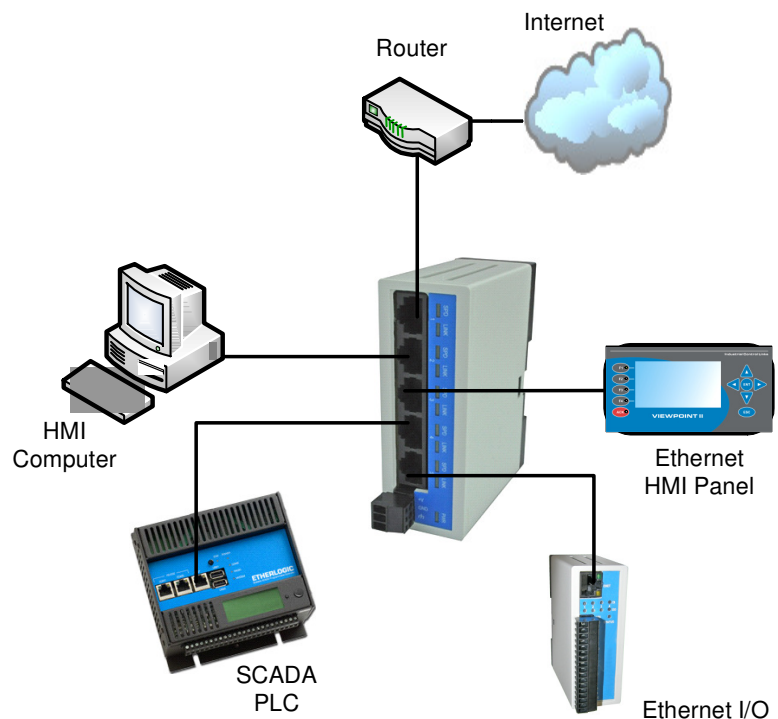
Fast Field Installation - Requires no configuration. Speed, duplex, flow control and transmit/receive connections are automatically detected/negotiated on each port, making installation truly plug-and-play with a mixture of Ethernet devices.

Low-cost twisted pair wiring– Uses low-cost industry standard RJ-45 connectors and twisted-pair cables.

DC Powered – Use the same 12V or 24V DC power supply that powers your other controllers and sensors. Supports battery-backed applications also.

Compact – Very small footprint and DIN rail mounting minimizes required panel space.

Rugged Reliability – 100% tested over an extended temperature range of -40C to 70C, and backed by an industry leading 3-year factory parts and labor warranty.



Ethernet Switch in typical SCADA application

Specifications

Network Communications

| | |
|---------------------------|--|
| Standards | IEEE 802.3, 802.3u |
| Number of Ports | 5 |
| Network Speeds | Fast Ethernet (10/100) |
| Interface Connections | RJ-45 x 5 |
| Maximum Cable Length | 100M (328 ft.) |
| Port wiring Configuration | Auto-negotiated (Auto MDI/MDI-X) |
| LED Status Indicators | Connection Speed (10/100) and Activity |

Terminal Blocks (power)

Removable, 3.5mm (0.138"), 12 to 22AWG, 15A/contact maximum

Mounting

35mm. DIN rail

Dimensions

1.4"W x 3.7"H x 3.8"D (includes terminal block and elevation off panel on DIN rail)

Environment

- 40°F(- 40°C) to 158°F (70°C), 5%RH to 95% RH, non-condensing

Power

10 to 30Vdc

Warranty

3 years, factory parts and labor

Switch Part Number

94-1105 Ethernet Switch, 5-port, Unmanaged, 10/100 (Auto MDI/MDI-X, DIN Rail, Ext. Temp

Mating Cables

99-10xx RJ-45 to RJ-45 Ethernet Cable, Cat 5e (xx is length in ft. – available lengths: 01, 03, 06, 10, 15)

Represented by: