

Open standards

Modicon TSX Quantum Ethernet switch

Integrated networking



Merlin Gerin

Modicon

Square D

Telemecanique

More and more companies are standardizing on Ethernet TCP/IP communications, not only for computer networking, but also for plant floor control applications. The need for rugged, reliable methods of integrating this technology into harsh "shop floor" environments

is becoming more and more apparent. Schneider Electric has recognized, and responded to that need with a range of products providing a seamless TCP/IP architecture for information exchange and control from the factory floor to the management

suite. Utilizing "best-in-class" technologies, the Modicon TSX Quantum Ethernet switch provides unprecedented levels of openness, flexibility and Integration in an industrially hardened package.

Schneider
 **Electric**



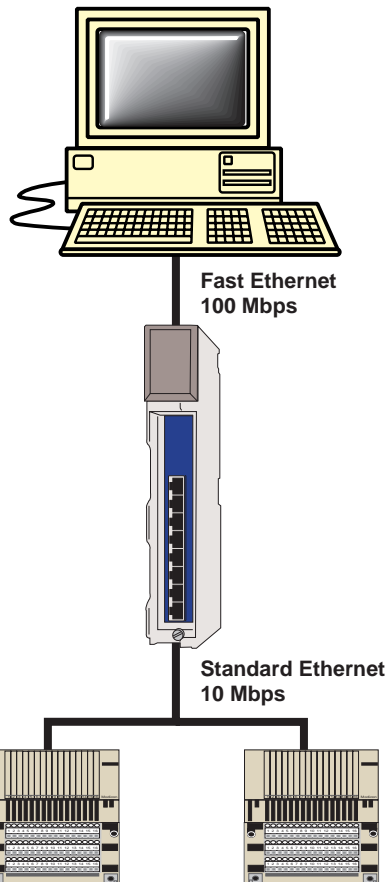
Open standards, integrated networks

Quantum Ethernet Switch Q8P ENET SW01

- Fiber-optic connection for SC, ST, MT-RJ, or VF-45
- TX ports with auto-negotiation 10/100Mbps
- Auto-negotiation for speed and duplexity
- True non-blocking architecture
- Store-and-forward mechanism
- Back pressure and IEEE 802.3x compliant flow control
- Supports 1K MAC addresses
- Uplink port

Specifications

Storage temperature	-25 - 70 Degrees C
Operating temperature	0 - 40 Degrees C
Humidity	10 - 90% Non condensing
Power consumption	11w maximum



The TSX Quantum Ethernet switch allows operation (with full bandwidth) in both 10 and 100 Mbps speeds, and automatically configures itself to the appropriate speed.

Integrated Networking with the Quantum Q8P ENET SW 01

The Quantum Ethernet Module is a plug-and-play device that does not require configuration. It allows operation (with full bandwidth) in both 10 and 100 Mbps speeds, and automatically configures itself to the appropriate speed. The module has six 10 BASE T RJ 45 connections and two fiber optic ST connections, connecting to and deriving its power from the Quantum backplane. The selectable uplink port, switchable Half Duplex or Full Duplex modes and clear LED indication make this switch easy to use and simple to apply in any configuration.

Part Number

Quantum Ethernet Switch: Q8P ENET SW01

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