

# SX8205R Unmanaged Ethernet Switch

## FIVE 10BASE-T/100BASE-TX PORTS

### Product Features

- Five 10Base-T/100Base-TX Ports for the Transport of Bidirectional Ethernet Data
- Uplink Port Capability for Easy Network Expansion
- User-Selectable Networking Functions on a Per-Port Basis:
  - Autonegotiation Between 10 Mbps and 100 Mbps Data Rates and Between Full-Duplex and Half-Duplex Modes
  - 10 Mbps or 100 Mbps Selectable
  - Full-Duplex or Half-Duplex Mode Selectable
  - Enabling/Disabling of Flow Control
- Auto MDI/MDI-X (Medium Dependent Interface/Medium Dependent Interface Crossover) Operation
- Compliant with IEEE 802.3, 802.3u, and 802.3x Standards
- Supports 10Base-T/100Base-TX Network Cable Distances up to 328 Feet
- Environmentally Hardened
- Designed to Meet NEMA TS 2 and Caltrans Traffic Signal Control Equipment Environmental Standards
- No Performance Adjustments Required
- 12 VDC or 24 VAC Power Supply

The **SX8205R** unmanaged Ethernet switch provides five 10Base-T/100Base-TX ports for the transport of bidirectional Ethernet data. Operating as a single switch in a network, the **SX8205R** connects to a maximum of five 10Base-T/100Base-TX Ethernet devices. If a larger switched network is needed, multiple **SX8205R** switches can be connected by allowing a port on each switch to be used as an uplink port. Cable connections from the **SX8205R** switch to a compatible device or to another **SX8205R** switch are supported up to a maximum of 328 feet (100 meters).

Networking functions for each of the five 10Base-T/100Base-TX ports (RJ-45 twisted-pair copper ports) are user-selectable by means of a rotary switch. Autonegotiation allows a port to automatically



- Stand-Alone and Rack-Mountable Modular Design
- LED Indicators for Monitoring of 10Base-T/100Base-TX Port Status and Operating Power

negotiate between 10 Mbps and 100 Mbps data rates and between full-duplex and half-duplex modes. If autonegotiation is not desired, a port can be forced to specific modes of operation: 10 Mbps or 100 Mbps data rate, half-duplex or full-duplex mode, and the enabling/disabling of flow control. The auto MDI/MDI-X feature allows each RJ-45 port to connect to either a straight-through or crossover RJ-45 cable.

Modular in design, the **SX8205R** unit can be rack mounted or can be used as a stand-alone module. Rack mounting is accomplished using the RK5000 Series rack mount chassis. As a stand-alone module, the unit can be placed on a desktop or can be mounted to a wall.



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International Standards  
Organization Registered Firm;  
ISO 9001 Quality System

