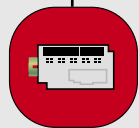


DIN Rail Mount Switch



While the use of Ethernet in manufacturing operations offers numerous advantages, it also presents certain challenges in network designing. In order to ensure time-critical, control-related data is reliably delivered, it is necessary to use switching hubs, which minimize network collisions in place of repeater hubs. But most switches were not designed to stand up to environmental hardships that may be found in the factory. The ENHSD is designed to mount on DIN rails that are commonly found in industrial enclosures, and can withstand their vibration and temperature extremes.

Even with all its rugged features, the switch still provides a high level of functionality, including the ability to support full-duplex communication and 10Mbps/100Mbps transmission speeds. With 1.4 Gbps of total bandwidth, the switch can simultaneously handle full wire speed communication on each port. A dedicated uplink port enables a connection to other switches without use of a crossover cable, while a variety of LED indicators provide status and diagnostic information at a glance. No programming is necessary, as the switch autolearns network addresses – just plug wire in 10-30V DC power, connect the patch cords, and you're up and running.



- Store and forward switch with address auto learning enhances bandwidth efficiency and aids in determinism for control applications
- DIN rail mount design enables simple mounting in a standard industrial enclosure
- 10Mbps/100Mbps auto-negotiation enables devices that transmit at different speeds to reside on the same subnet
- High-end temperature operating limit of 185° F (85° C) for use in extreme temperature environments
- No programming required, means the switch can be up and running in a matter of minutes
- Class I/Div. II rated for use in hazardous locations
- Available in 5- or 9-port versions with fiber or copper uplink

PART NUMBER	DESCRIPTION
ENHSDURR5	ACTIVE SWITCH – DIN RAIL MOUNT, UNMANAGED, RJ-45 COMM. PORTS, RJ-45 UPLINK PORT, 5 TOTAL PORTS
ENHSDURS5	FIBER OPTIC (SC) UPLINK PORT, 5 TOTAL PORTS
ENHSDURR9	9 TOTAL PORTS
ENHSDURS9	FIBER OPTIC (SC) UPLINK PORT, 9 TOTAL PORTS

DIN Rail Mount Switch

Specifications

- ELECTRICAL**
 - REQUIRED POWER: 10-30V DC
 - POWER CONSUMPTION: 1.9 WATTS TYPICAL
 - NETWORK ISOLATION: 1200V RMS FOR 1 MINUTE
- ENVIRONMENTAL/MECHANICAL**
 - OPERATING TEMPERATURE: -40° TO 185° F (-40° TO 85° C)
 - HUMIDITY: 5 TO 95% (NON-CONDENSING)
 - SCREW TERMINALS: #14 AWG (TIGHTEN TO 3.48 IN-LBS MAX)
 - ENVIRONMENTAL RATING: IP20
 - ELECTRICAL SAFETY: UL 508
 - HAZARDOUS LOCATION: UL 1604, CSA 22.2/213 (CLASS 1, DIV.2)
 - EMI EMISSIONS: FCC PART 15, CLASS B
 - EMC IMMUNITY: EN61326-1
 - VIBRATION: IEC68-2-6
- NETWORK**
 - PORTS: FIVE, EIGHT OR NINE 10/100 BASE-T(X) SHIELDED RJ-45, 1 SC FIBER OPTIC CONNECTOR
 - ETHERNET STANDARDS: IEEE 802.3, 802.3U, 802.3X
 - ETHERNET PROTOCOLS: ALL STANDARD IEEE 802.3 PROTOCOLS SUPPORTED
 - SPEED PER PORT: 10 OR 100 Mbps (HALF DUPLEX), 20 or 200 Mbps (FULL DUPLEX)
 - BUFFERS: 1024, 128 BYTE BUFFERS AVAILABLE
 - BROADCAST STORM PROTECTION: BROADCASTS LIMITED TO 25% OF AVAILABLE BANDWIDTH
 - FLOW CONTROL: SUPPORTED FOR BOTH TRANSMIT AND RECEIVE
 - BACK PRESSURE FUNCTION: WILL INHIBIT STATIONS FROM TRANSMITTING FOR 20 ms, IF BUFFERS ARE FULL
 - TOTAL BANDWIDTH: 1.4 Gbps

DIMENSIONS

