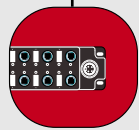


# Machine Mount Switch



While the use of Ethernet in manufacturing operations offers numerous advantages, it also presents certain challenges in network design. 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 industrial or harsh commercial environments.

The ENHSM overcomes this hurdle and provides the user a great deal of design flexibility. The rugged construction enables the device to be mounted anywhere in the factory (side of the machine, building pillar, rafters, etc.). When mated with an RJ-Lnxx® cordset, the ENHSM provides a sealed, IEC IP67 rated connection, that prevents ingress from common factory contaminants such as dirt, oil and water. Now the switch can be placed where it makes the most sense for the network layout, instead of wherever the nearest sterile enclosure is located.

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 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
- IEC IP67 rating, when used with RJ-Lnxx cordsets, enables devices to be mounted directly to the machine
- 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

PART NUMBER	DESCRIPTION
ENHSAURR8	ACTIVE SWITCH – MACHINE MOUNT, UNMANAGED, RJ-45 COMM. PORTS, RJ-45 UPLINK PORT, 8 TOTAL PORTS
104000A0FXXX	DC INPUT POWER CORDSET

Note: XX.X = Cable length in meters

# Machine Mount Switch

## Specifications

<b>ELECTRICAL</b>	REQUIRED POWER: 10-30V DC
	POWER CONSUMPTION: 1.9 WATTS TYPICAL
	NETWORK ISOLATION: 1200V RMS FOR 1 MINUTE
<b>ENVIRONMENTAL/MECHANICAL</b>	OPERATING TEMPERATURE: -40° TO 176° F (-40° TO 80° C)
	HUMIDITY: 5 TO 95% (NON-CONDENSING)
	POWER CONNECTION: 4 POLE MINI-CHANGE® CONNECTOR
	ENVIRONMENTAL RATING: IP67 WHEN MATED WITH AN RJ-LNXX® SEALED CONNECTOR
	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
<b>NETWORK</b>	PORTS: EIGHT 10/100 BASE-T(x), SHIELDED RJ-45
	ETHERNET STANDARDS: IEEE 802.3, 802.3U, 802.3X
	ETHERNET PROTOCOLS: ALL STANDARD IEEE 802.3 PROTOCOLS SUPPORTED
	SPEED PER PORT: 10 OR 100Mbps (HALF DUPLEX), 20 or 200Mbps (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

