LNX-0500-M12-67 Series

5-Port M12 Industrial IP67 Waterproof Ethernet Switch, w/5*10/100Tx with M12-connector, 12~48VDC Power Input
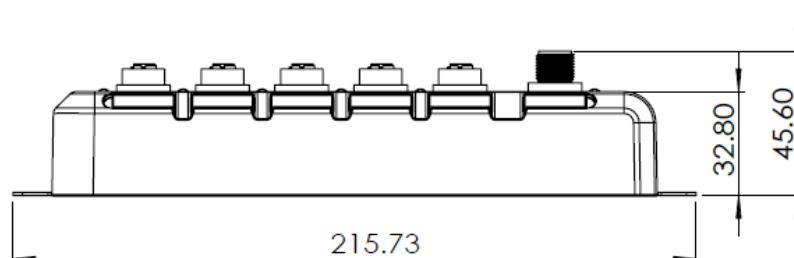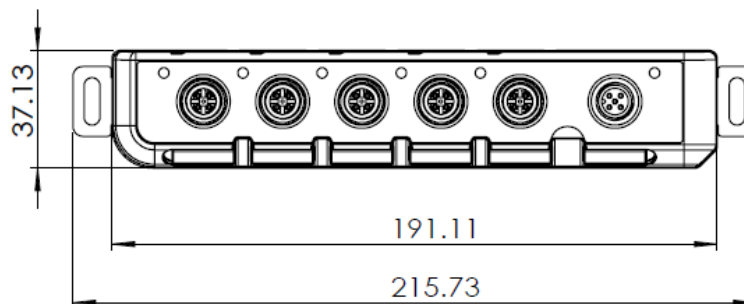
Features

▶ 5*10/100Tx Fast Ethernet
▶ M12 (D-coded Female) Connector with IP67 Rated Protection
▶ IP67 Rugged Plastic Case Design
▶ RJ45 Port Support Auto MDI / MDI-X Function
▶ Auto Negotiation Speed, Half / Full Duplex
▶ Store-and-Forward Switching Architecture
▶ Redundant Power Input: 12~48VDC
▶ Power Polarity Reverse Protection
▶ Overload Current Protection
▶ DIN-Rail or Wall Mountable
▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNX-0500-M12-67 series is a 5-port 10/100Tx M12 IP67 industrial switch that meets the high-reliability requirements demanded by industrial applications. The LNX-0500-M12-67 series features a wide operating temperature of -10° to 70°C in the standard model and -40° to 75°C in the extended temperature model which allows this device to be used in various industrial environments. Its M12 connectors ensure a tight, robust connection and guarantees reliable operation in applications that are subject to high vibration and shock in environments containing dust, liquid, or laden with gas.

DIMENSIONS

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control

Switch Properties

Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Memory Buffer	448kbits
MAC Table size	1k

Interface

Ethernet Port	5*10/100T(X) M12, 4-pin D-coded, Female, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	Power, Ethernet Ports: Link / Act

Mechanical Characteristics

Housing	Plastic, IP67 protection
Dimensions	37.13 x 215.73 x 32.8 mm (W x H x D)
Weight	Unit: 0.749 lbs. Shipping: 1.322 lbs.
Mounting	DIN-Rail Mounting, Wall Mounting

Power Requirement

Input Voltage	12 to 48VDC, Redundant Inputs
Power Connection	1*M12, 5-pin A-coded, Male
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	500mWatts

Environmental Limits

Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
Storage Temperature	-40°C to 85°C
Ambient Relative Humidity	5% to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
EMS	CE EN 55024 Class A, EN 61000-6-2 Class A, IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1 (Pending), UL 61010-2-201 (Pending)
Warranty	5 Years

ORDERING INFO

LNX-0500-M12-67	5-Port M12 Industrial IP67 Waterproof Ethernet Switch, w/5*10/100Tx with M12 connector, 12~48VDC Power Input
LNX-0500-M12-67-T	5-Port M12 Industrial IP67 Waterproof Ethernet Switch, w/5*10/100Tx with M12 connector, 12~48VDC Power Input; EOT: -40°C to 75°C

Optional Accessories

DR-30-24	30W Industrial DIN-Rail Power Supply, 24VDC
DR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC
CB-M12D4PM-RJ45-5M	M12 D-Code 4-Pin Male to RJ45 Cable, 5 Meter, Wire: CAT5e STP 24AWG Black, IP68 Protection
CB-M12A3PM-5M	M12 A-Code 3-Pin Male to Open Cable, 5 Meter, Wire: UL 24AWG*5C Black, IP68 Protection
CB-M12A5PF-5M	M12 A-Code 5-Pin Female to Open Cable, 5 Meter, Wire: UL 24AWG*5C Black, IP68 Protection