LNP-0500G-M12-67-T

INDUSTRIAL IP67 GIGABIT POE+ UNMANAGED M12 SWITCH

FEATURES

- 4*10/100/1000BASE-TX Gigabit M12 (X-Coded) Port with IEEE 802.3af/at PoE+ (30W/Port)
- 1*10/100/1000BASE-TX Gigabit M12 (X-Coded) Port
- 1*M12 (A-Coded) Power Connector
- Reverse Polarity Protection
- Overload Current Protection
- Operating Temperature: -40°C to 75°C
- EN50155, EN50121 Rated
- DIN-Rail or Wall Mountable
- IP67 Rated
- 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0500G-M12-67-T is equipped with one M12 A-coded power connector, 4x 30W 10/100/1000M M12 (X-coded) TX PSE, and 1x 10/100/1000M M12 (X-coded) TX. The M12 connector provides a strong and tight connection and ensures stable Ethernet operating performance that withstands humidity, dirt, dust, shock, vibrations, heat and cold. It has been rigorously tested and can meet the high-reliability requirements for moving vehicles, transportation, and security applications.

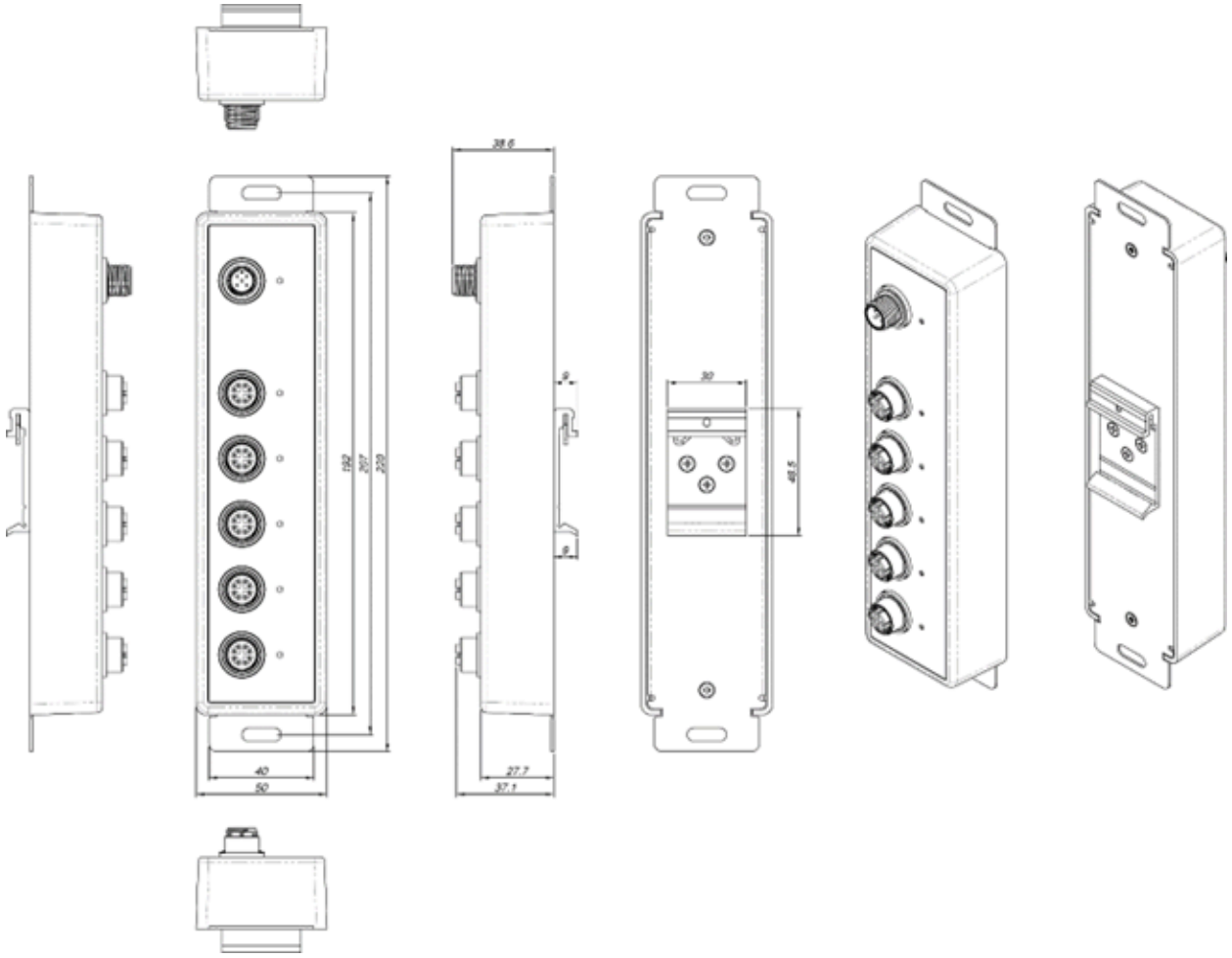
SPECIFICATIONS

Hardware Specifications

Part Number	Total Ports	M12 GE	30W PoE+	PoE Power Budget	Input Voltage	Power Consumption	Operating Temp.
LNP-0500G-M12-67-T	5	5	4	120W @ 56VDC 100W @ 48VDC	48~56VDC	5W @ 48VDC full load, without PoE	-40 to 75°C -40 to 167°F

Physical Specifications

Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	PoE LED Indicator
LNP-0500G-M12-67-T	220 x 50 x 27.7mm 8.6 x 1.97 x 1.09in	0.50kg 1.10lb	0.54kg 1.18lb	Wall Mount, DIN-Rail	Yes



Standards

Part Number	IEEE Standards
LNP-0500G-M12-67-T	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-T Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3x Flow Control and Back Pressure IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet plus

Switch Properties

Specification		Specification	
Switch Architecture	Back-Plane (Switching Fabric): 10Gbps	Jumbo Frame	9.0Kbytes
Processing Type	Store and Forward	MAC Table Size	2K
Flow Control	IEEE 802.3x flow control, back pressure flow control	Overload Current Protection	Present
Packet Buffer	1Mbits	Reverse Polarity Protection	Present
Protocol	CSMA/CD		

Compliance Specifications

Safety	MET (Complies with UL 62368-1) LVD (EN 62368-1)
EMC	CE, FCC
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2,4,5
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-32
Railroad Compliance	EN 50155 / EN 50121-3-2 EN 50155 / EN 50121-4
Operating Temperature	-40 to 75°C
Storage Temperature	-40 to 85°C
Ambient Relative Humidity	5% to 95%, (non-condensing)
Made in Taiwan	NDAA / TAA Compliant
Warranty	5 Years

Mean Time Between Failures (MTBF)

Part Number	MTBF
LNP-0500G-M12-67-T	546,613 hrs. At 25°C

ORDERING INFORMATION

Switch Models

Part Number	Description
LNP-0500G-M12-67-T	Industrial 5-Port IP67 Waterproof Gigabit M12 PoE+ Unmanaged Switch, with 4*10/100/1000TX M12 (X-Coded) with PoE+ (30W PSE) and 1*10/100/1000TX M12 (A-Coded), 48~56VDC Power Input, EOT: -40°C to 75°C

M12 Cables

Part Number	Description
CB-M12A5PF-5M	M12 A-Coded 5-Pin Female to Open Cable, 5 Meter, Wire: UL 24 AWG*5C Black, IP68 Protection
CB-M12X8PM-RJ45-5M	M12 X-Coded 8-Pin Male to RJ45 Socket, 5 Meter, Wire: 26 AWG, Ethernet Cable, IP67 Protection

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America Headquarters
+1-714-671-9000
info@antaira.com | antaira.com

Asia Office
+886-2-2218-9733
info@antaira.com.tw | antaira.com.tw

Europe Office
+48 22 862 88 81
info@antaira.eu | antaira.eu