

LNx-0500-M12-67 Series

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



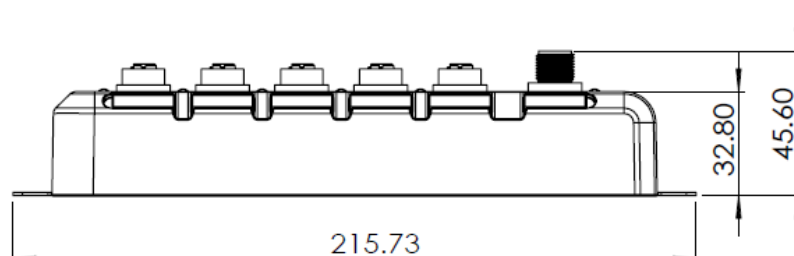
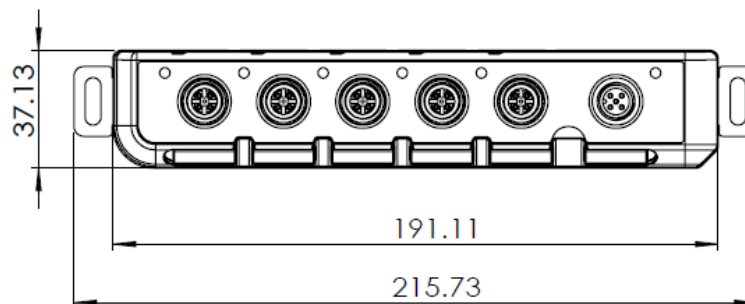
Features

- ▶ 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°C to 70°C in the standard model and -40°C 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 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)
EMS	
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201
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

LNX-0602 Series

6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx, 12~48VDC Power Input



Features

- ▶ Network Broadcast Storm Protection
- ▶ 4-Port 10/100Tx Fast Ethernet
- ▶ 2-Port 100Fx SC/ST Type Connector (Multi / Single Mode)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design – 12~48VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

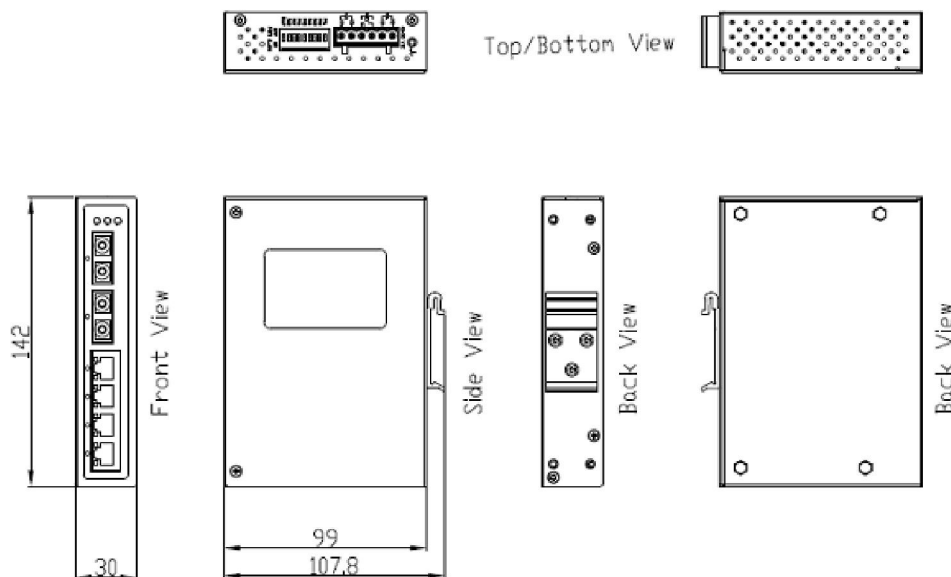
INTRODUCTION

Antaira Technologies' LNX-0602 series switches are smart 6-port Industrial Unmanaged Ethernet Switches supporting 4-Port 10/100Tx Fast Ethernet and 2-Port 100Fx of SC or ST type connector and support Multi-mode in 2Km, or Single-mode in 30Km.

The LNX-0602 series switches support 12~48VDC power inputs. This series of switches offers an Extended Operating Temperature model (w-T) which supports -40°C ~ 75°C. It supports IEEE 802.3/802.3u/802.3x with 10/100BTx, full or half duplex, MDI/MDI-X auto sensing to provide an economical solution for the Industrial Ethernet Network.

In addition, the Network Broadcast Storm Protection and built-in relay warning function alerts network engineers when power failures or port breaks occur.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure
Processing Type	Store-and-Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table Size	2K
Interface	
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx
Fiber Port	2*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um
Fiber Wavelength	1310nm (Multi-Mode and Single-Mode)
Power Requirement	
Input Voltage	12~48VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Overload Current Protection	Slow-Blown Fuse
Power Consumption	7.5 Watts

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs. Shipping: 1.45 lbs.
Mounting	DIN-Rail, Wall mounting (optional)
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 508, UL Class 1 Division 2
Warranty	5 Years

ORDERING INFO

LNX-0602-M	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode Fiber (2Km), SC Connector
LNX-0602-M-T	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode Fiber (2Km), SC Connector; EOT: -40° to 75°C
LNX-0602-ST-M	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode Fiber (2Km), ST Connector
LNX-0602-ST-M-T	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode Fiber (2Km), ST Connector; EOT: -40° to 75°C
LNX-0602-S3	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode Fiber (30Km), SC Connector
LNX-0602-S3-T	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode Fiber (30Km), SC Connector; EOT: -40° to 75°C
LNX-0602-ST-S3	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode Fiber (30Km), ST Connector
LNX-0602-ST-S3-T	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode Fiber (30Km), ST Connector; EOT: -40° to 75°C
Optional Accessories	
DR-45-24	45W Industrial DIN-Rail Power Supply

LNX-1600 Series

16-Port Industrial Unmanaged Ethernet Switch, with 16*10/100Tx, 12-48VDC Power Input



Features

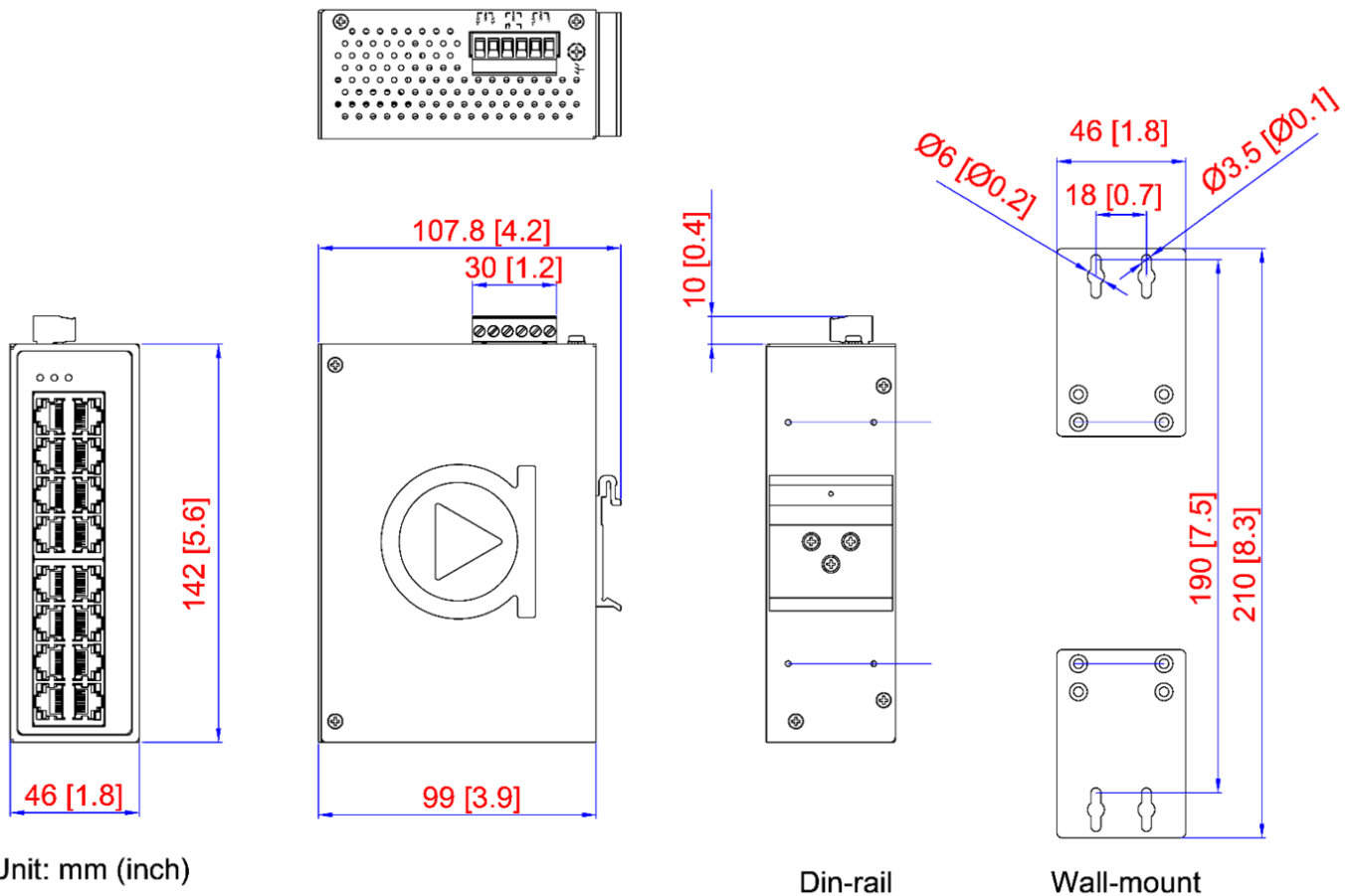
- ▶ Supports 16*10/100Tx Fast Ethernet
- ▶ Store and Forward Switching Architecture
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support Included
- ▶ Operating Temperature Range
 - STD: -10°C ~ 65°C, EOT: -40°C ~ 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNX-1600 series is an industrial unmanaged Ethernet switch designed with 16*10/100 fast Ethernet ports. It is IP30 rated and DIN-Rail mountable making it ideal for applications that demand large port counts in a confined area; such as, power/utility, water wastewater treatment plants, oil/gas/mining, process control automation, security access control systems, intelligent transportation systems, or anywhere an industrial Ethernet switch that need to be enclosed in a confined area.

The LNX-1600 series has a hardened design providing high EFT and ESD protection to prevent any unregulated voltage. It also has a dual power input support of 12~48VDC. There are two wide operating temperature models to support either a -10°C to 65°C or -40°C to 75°C environment.

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 (Switching Fabric): 3.2Gbps
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Packet Buffer	4Mbits
Jumbo Frame	1664 bytes
MAC Table Size	16K
Port Interface	
Ethernet Port	16*10/100 Base-T(x) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimension	46 x 142 x 99 mm (W x H x D)
Weight	Unit: 1.38 lbs. Shipping: 1.79 lbs.
Mounting	DIN-Rail mounting, Wall mounting
Power Requirement	
Input Voltage	12~48VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Relay Contact	24VDC, 1A resistive
Overload Current Protection	Present
Power Reverse Polarity Protection	Present
System Power Consumption	3.4W
Environmental Limits	
Operating Temperature	STD: -10°C ~ 65°C EOT: -40°C ~ 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, 61010-2-201
Warranty	5 Years

ORDERING INFO

LNX-1600	16-Port Industrial Unmanaged Ethernet Switch, with 16*10/100Tx
LNX-1600-T	16-Port Industrial Unmanaged Ethernet Switch, with 16*10/100Tx; EOT: -40°C to 75°C

LNX-500A Series

5-Port Industrial Unmanaged Ethernet Switch, with 5*10/100Tx



Features

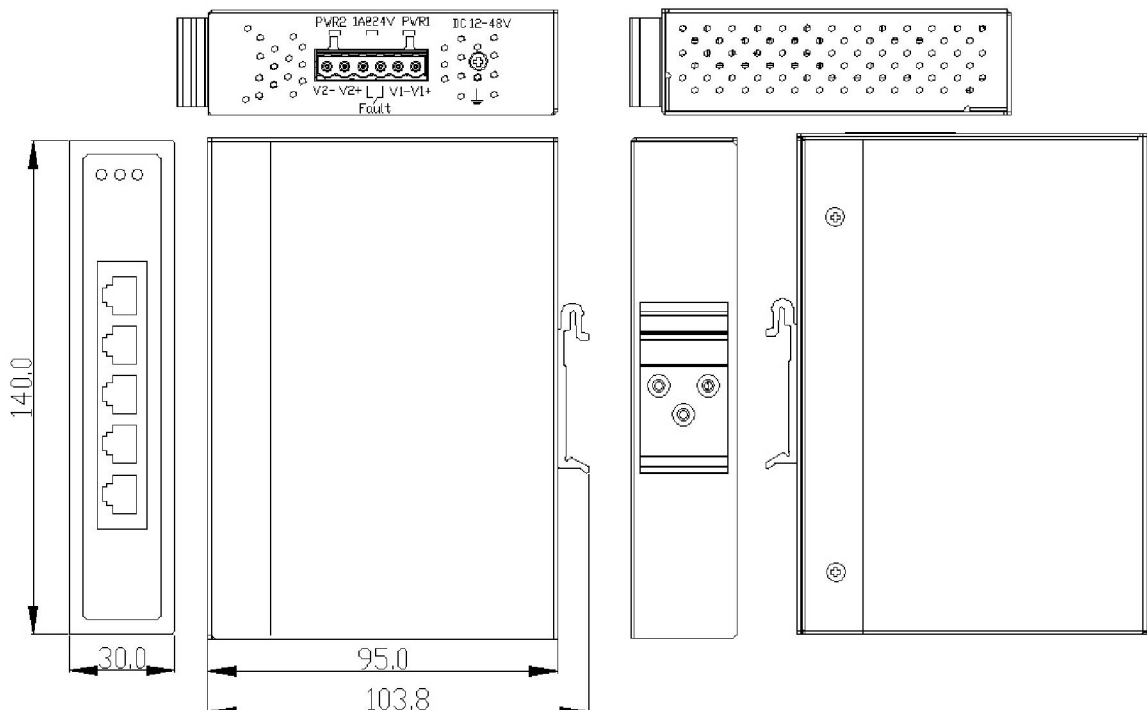
- ▶ Supports 5-Port 10/100Tx RJ45 Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Power Polarity Reserve Protect
- ▶ Overload Current Resettable Fuse Present
- ▶ Built-in 1 Relay Output for Fault Alarm
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range:
STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ UL Class 1 Division 2 Certified
- ▶ 5-Year Warranty

INTRODUCTION

Antaira's LNX-500A industrial unmanaged Ethernet switch series are IP30 rated and DIN-Rail mountable. Each unit is designed with five 10/100Tx Fast Ethernet ports that have auto detection support for MDI or MDI-X. The LNX-500A series provides high EFT and ESD protection, and the built-in relay warning function alerts maintainers when power failures or port breaks occur.

The LNX-500A series includes two models: one with an operating temperature range of -10° to 70°C, and the other one with an extended operating temperature range of -40° to 75°C. It is a perfectly designed product to fulfill special needs for industrial automation, outdoor applications and harsh weather environments.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3U 100Tx 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 (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps For Ethernet Port 148,800pps For Fast Ethernet Port
MAC Table Size	2K
Interface	
Ethernet Port	5 x RJ45 - 10/100T(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection

Power	
Input Voltage	12~48VDC, Redundant Input
Overload Current Protection	Present
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	3 Watt
Mechanical Characteristics	
Housing	Metal IP30 protection
Dimensions	30 x 140 x 95 mm (W x H x D)
Weight	Unit Weight: 1 lbs. Shipping Weight: 1.5lbs
Mounting	DIN-Rail or wall mounting (optional)
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN6100-4-2,3,4,5,6,8,11,12 EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 60950-1, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNX-500A	5-Port Industrial Unmanaged Ethernet Switch with 5*10/100Tx
LNX-500A-T	5-Port Industrial Unmanaged Ethernet Switch with 5*10/100Tx; EOT -40° to 75°C
Optional Accessories	
MDR-10-24	10W Industrial DIN-Rail Power Supply, 24VDC
DR-15-24	15W Industrial DIN-Rail Power Supply, 24VDC

LNX-0501 Series

5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx, 12~48VDC Power Input



Features

- ▶ Network Broadcast Storm Protection
- ▶ 4-Port 10/100Tx Fast Ethernet
- ▶ 1-Port 100Fx SC/ST Type Connector (Multi / Single Mode)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design – 12~48VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

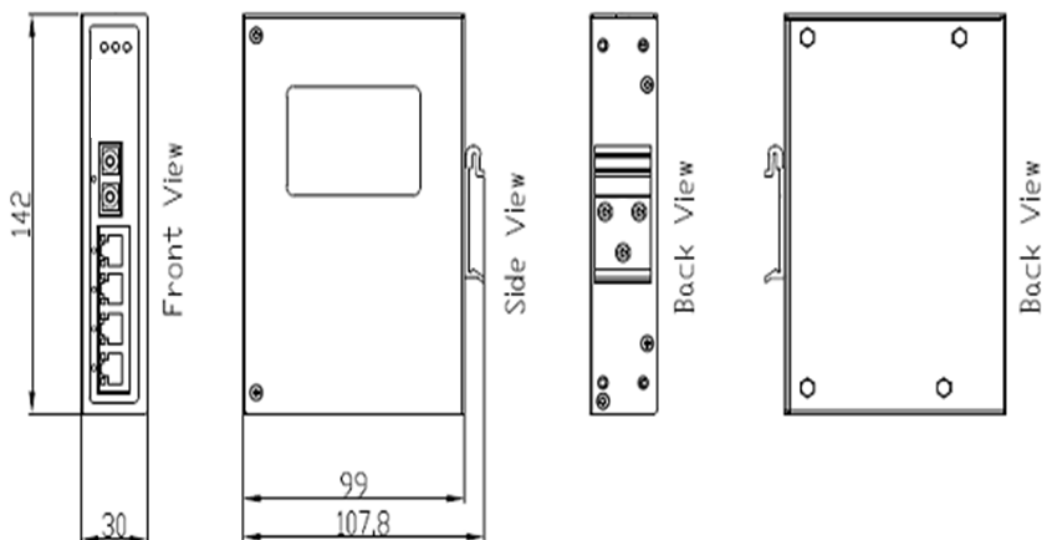
INTRODUCTION

Antaira Technologies' LNX-0501 series switches are smart 5-port Industrial Unmanaged Ethernet Switches supporting 4-Port 10/100Tx Fast Ethernet and 1-Port 100Fx of SC or ST type connector and support Multi-mode in 2Km, or Single-mode in 30Km.

The LNX-0501 series switches support 12~48VDC power inputs. This series of switches offer an Extended Operating Temperature model (w-T) which supports -40°C ~ 75°C. It supports IEEE 802.3/802.3u/802.3x with 10/100BTx, full or half duplex, MDI/MDI-X auto sensing to provide an economical solution for the Industrial Ethernet Network.

In addition, the Network Broadcast Storm Protection and built-in relay warning function alerts network engineers when power failures or port breaks occur.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure
Processing Type	Store-and-Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table Size	2K
Interface	
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx
Fiber Port	1*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um
Fiber Wavelength	1310nm (Multi-Mode and Single-Mode)
Power Requirement	
Input Voltage	12~48VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Overload Current Protection	Slow-Blown Fuse
Power Consumption	6.5 Watts

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs. Shipping: 1.45 lbs.
Mounting	DIN-Rail, Wall mounting (optional)
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 508, UL Class 1 Division 2
Warranty	5 Years

ORDERING INFO

LNX-0501-M	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), SC Connector
LNX-0501-M-T	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), SC Connector; EOT: -40° to 75°C
LNX-0501-ST-M	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), ST Connector
LNX-0501-ST-M-T	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), ST Connector; EOT: -40° to 75°C
LNX-0501-S3	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), SC Connector
LNX-0501-S3-T	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), SC Connector; EOT: -40° to 75°C
LNX-0501-ST-S3	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), ST Connector
LNX-0501-ST-S3-T	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), ST Connector; EOT: -40° to 75°C
Optional Accessories	
DR-45-24	45W Industrial DIN-Rail Power Supply

LNx-0702C-SFP Series

7-Port Industrial Gigabit Unmanaged Ethernet Switch, with 5*10/100Tx + 2*100/1000 SFP Slot



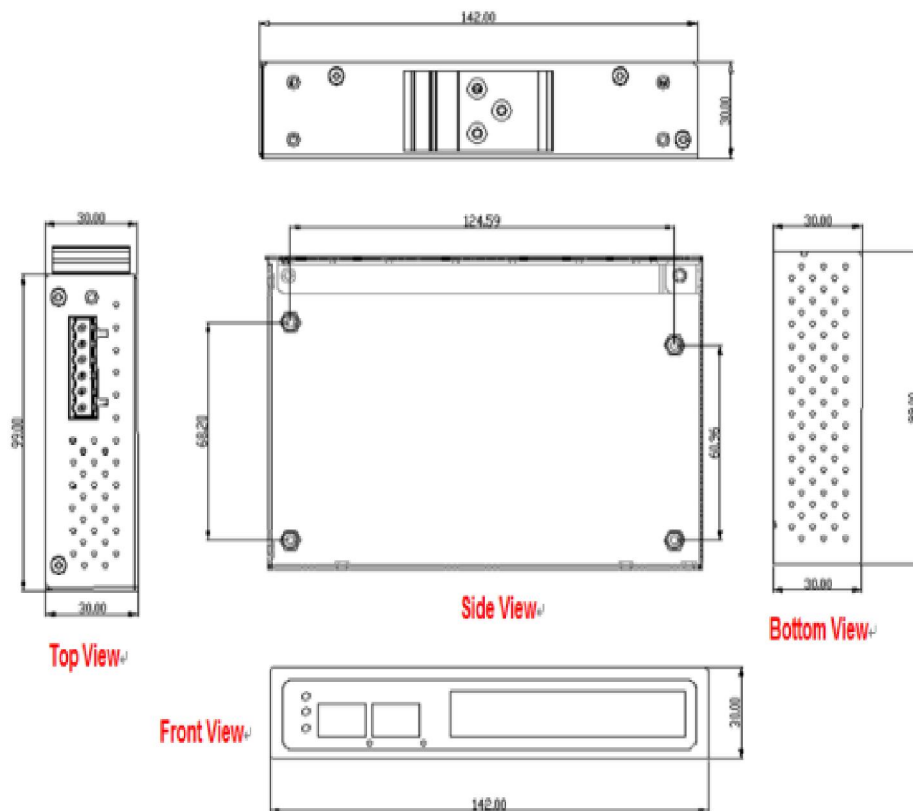
Features

- ▶ Supports 5-Port 10/100Tx and 2-Port 100/1000 SFP slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 5.0Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNx-0702C-SFP series industrial gigabit unmanaged Ethernet switch features five 10/100Tx ports and two dual rate 100/1000Fx SFP slots. This product series support wide range power input from 12 to 48VDC, and provides high EFT and ESD protection to protect against unregulated voltage. It also provides wide operation temperature models for standard: -10° to 70°C and extended: -40° to 75°C. The LNx-0702C-SFP series is an ideal solution for harsh environment and industrial applications.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3az Gigabit Fiber
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 5.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Broadcast Storm Rate Limit	CSMA/CD
Memory Buffer	7,926pps (default)
Jumbo Frame	-
MAC Table Size	8K
Interface	
Ethernet Port	5*10/100Tx Fast Ethernet
Fiber Port	2*100/1000 SFP Slot
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5
Power Requirements	
Input Voltage	12~48VDC, Redundant Input
Overload Current Protection	Present
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	6W

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 99 x 142 mm (W*D*H)
Weight	Unit: 1.3 lbs. Shipping Weight: 1.7 lbs.
Mounting	DIN-Rail, wall mounting (optional)
Environmental Limits	
Operating Temperature	STD: 0° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN6100-4-2,3,4,5,6,8, EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNX-0702C-SFP	7-Port Industrial Gigabit Unmanaged Ethernet Switch, w/ 5*10/100Tx, and 2*100/1000 SFP Slot
LNX-0702C-SFP-T	7-Port Industrial Gigabit Unmanaged Ethernet Switch, w/ 5*10/100Tx, and 2*100/1000 SFP Slot; EOT: -40° to 75°C

Optional Accessories	
MDR-10-12	10W Industrial Din Rail Power Supply, 12VDC
MDR-20-24	20W Industrial Din Rail Power Supply, 24VDC
MDR-40-48	40W Industrial Din Rail Power Supply, 48VDC
MDR-60-49	60W Industrial Din Rail Power Supply, 48VDC

LNX-800A Series

8-Port Industrial Unmanaged Ethernet Switch, with 8*10/100Tx



Features

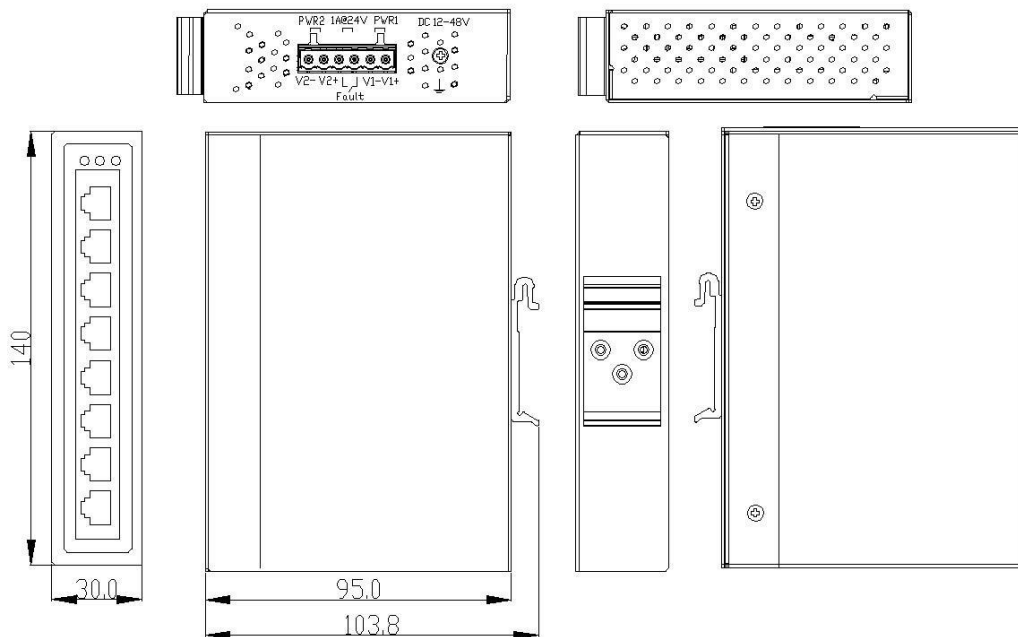
- ▶ Supports 8-Port 10/100Tx RJ45 Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Power Polarity Reserve Protect
- ▶ Overload Current Resettable Fuse Present
- ▶ Built-in 1 Relay Output for Fault Alarm
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ UL Class 1 Division 2 Certified
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNX-800A series industrial unmanaged Ethernet switch is IP30 rated and DIN-Rail mountable. Each unit is designed with five 10/100Tx Fast Ethernet ports that have auto detection support for MDI or MDI-X. The LNX-800A series provide high EFT and ESD protection and the built-in relay warning function alerts maintainers when power failures or port breaks occur.

The LNX-800A series includes two models: one with an operating temperature range of -10° to 70°C and the other one with an extended operating temperature range of -40° to 75°C. It is a perfectly designed product to fulfill special needs for industrial automation, outdoor applications, and harsh weather environments.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3U 100Tx 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 (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps For Ethernet Port 148,800pps For Fast Ethernet Port
MAC Table Size	2K
Interface	
Ethernet Port	8*RJ45 - 10/100T(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Power Requirement	
Input Voltage	12~48VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	5 Watt

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 140 x 95 mm (W x H x D)
Weight	Unit: 1.0 lb Shipping: 1.5 lbs
Mounting	DIN-Rail or Wall mounting (optional)
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°~85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN6100-4-2,3,4,5,6,8,11,12 EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 60950-1, UL 61010-1 UL 61010-2-201, ISA 12.12.01, UL Class 1 Division 2
Safety	E-Mark for LNX-800A-E series only
Warranty	5 Years

ORDERING INFO

LNX-800A	8-Port Industrial Unmanaged Ethernet Switch with 8*10/100Tx
LNX-800A-T	8-Port Industrial Unmanaged Ethernet Switch with 8*10/100Tx; EOT: -40° to 75°C
LNX-800A-E	8-Port Industrial Unmanaged Ethernet Switch with 8*10/100Tx, with E-Mark certification
LNX-800A-E-T	8-Port Industrial Unmanaged Ethernet Switch with 8*10/100Tx, with E-Mark certification; EOT: -40° to 75°C
Optional Accessories	
MDR-10-24	10W Industrial DIN-Rail Power Supply, 24VDC
DR-15-24	15W Industrial DIN-Rail Power Supply, 24VDC

LNX-800A-T-CC

8-Port Slim Industrial Ethernet Switch, EOT: -40~75°C, with Conformal Coating



Features

- ▶ Conformal Coating
- ▶ Support 8-Port 10/100Tx RJ45 Fast Ethernet
- ▶ Support Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Power Polarity Reverse Protect
- ▶ Overload Current Resettable Fuse Present
- ▶ Built-in 1 Relay Output for Fault Alarm
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: EOT: -40° to 75°C
- ▶ 5-Year Warranty

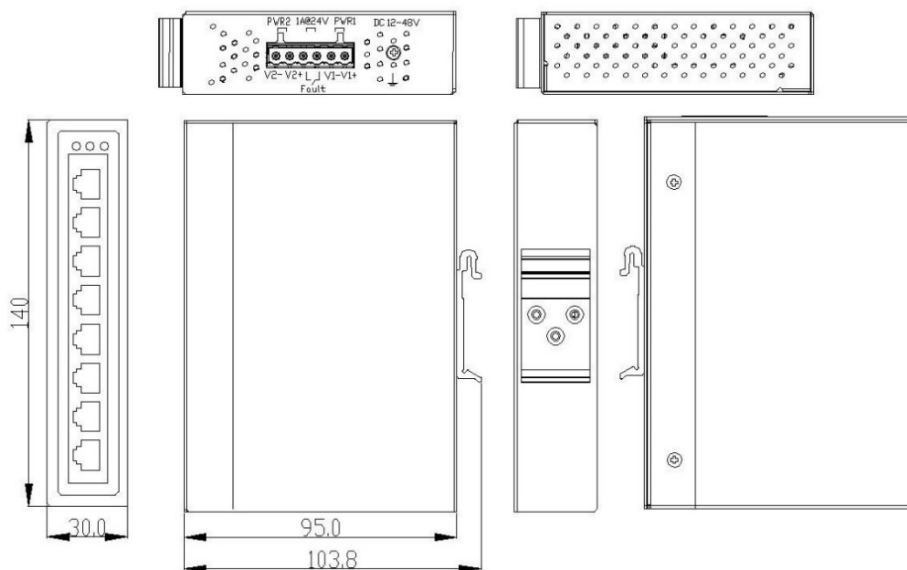
INTRODUCTION

Antaira Technologies' LNX-800A-T-CC industrial unmanaged Ethernet switch is IP30 rated and DIN-Rail mountable. Each unit is designed with five 10/100Tx Fast Ethernet ports that have auto detection support for MDI or MDI-X. The LNX-800A-T-CC provide high EFT and ESD protection and the built-in relay warning function alerts maintainers when power failures or port breaks occur.

Conformal coating is a specialty film which conforms to the contours of the printed circuit board to protect the board from adverse environmental conditions. Antaira's conformal coating process meets or exceed the standards for protection against gases, dust, and water.

The LNX-800A-T-CC has an extended operating temperature range of -40° to 75°C. It is a perfectly designed product to fulfill special needs for industrial automation, outdoor applications and harsh weather environments.

DIMENSIONS



SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet	Housing	Metal IP30 protection
Processing Type	Store and Forward	Dimensions	30 x 95 x 140mm
Protocol	CSMA/CD	Weight	Unit: 1.0 lb Shipping: 1.5 lbs
Flow Control	IEEE 802.3x flow control, back pressure flow control	Mounting	DIN-Rail or Wall mounting (optional)
Switch Properties		Environmental Limits	
Switch Architecture	Back-Plane: Non-Blocking Switching Fabric	Operating Temperature	EOT: -40° to 75°C
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port	Storage Temperature	-40°~85°C
Memory Buffer	448Kbits	Ambient Relative Humidity	5 to 95%, (Non-condensing)
MAC Table Size	2K	Regulatory Approvals	
Interface		EMI	FCC Class A
Ethernet Port	8*10/100Tx RJ45 auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	EMS	EN6100-4-2,3,4,5,6,8,11,12 EN6100-6-2,4
LED Indicators	Power 1, Power 2, Fault Ethernet: On-Link / Flash-Data transmitting	Free Fall	IEC60068-2-32
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)	Shock	IEC60068-2-27
Power Requirement		Vibration	IEC60068-2-6
Input Voltage	12~48VDC, Redundant Input	Green	RoHS Compliant
Power Connection	1 removable 6-contact terminal block	Certifications	FCC, CE, UL 61010-1, UL 61010-2-201 IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60
Reverse Polarity Protection	Present	Corrosion Prevention	IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class GX-Severe)
Overload Current Protection	Present	Warranty	ANSI/ISA 71.04 (Class GX-Severe) 5 Years
Power Consumption	5 Watts		

ORDERING INFO

LNX-800A-T-CC 8-Port Slim Industrial Ethernet Switch, EOT: -40°~75°C, with Conformal Coating

Optional Accessories

DIN-RACK-2U DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height

DIN-RAIL-10 35mm Steel DIN-Rail Track – 10 Inches Long

MDR-10-24 10 Watt Industrial Single Output DIN-Rail Power Supply – 24 VDC / 0.42 Amp

DR-15-24 15 Watt Industrial Single Output DIN-Rail Power Supply – 24 VDC / 0.63 Amp

LNX-0802C-SFP Series

8-Port Industrial Gigabit Unmanaged Ethernet Switch, 6*10/100Tx, 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)



Features

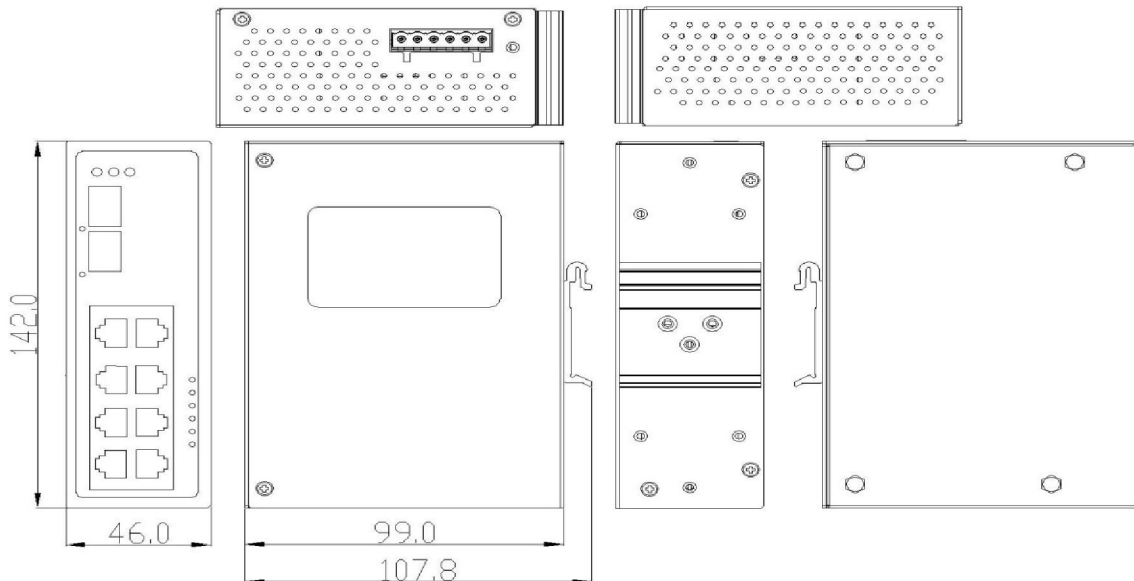
- ▶ Supports 6-Port 10/100Tx and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 8K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70° C, EOT: -40° to 75° C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNX-0802C-SFP series industrial Gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable with 6*10/100Tx + 2*GigE combo ports (2*10/100/1000Tx RJ45, and 2*100/100 SFP slots for fiber), making it ideal for applications that demand high bandwidth and long-distance communication.

This series provides a high EFT and ESD protection and dual power input with a reverse power polarity protection. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports from -40 to 75°C. It is a perfectly designed product to fulfill special needs for industrial automation, outdoor and harsh weather environment applications.

DIMENSIONS



SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10BaseTx Ethernet	Housing	Metal, IP30 protection
	IEEE 802.3u 100BaseTx Fast Ethernet	Dimensions	46 x 99 x 142 mm (W*D*H)
	IEEE 802.3ab 1000BaseTx	Weight	Unit: 1.5 lbs.
	IEEE 802.3z Gigabit Fiber		Shipping Weight: 2.0 lbs.
Processing Type	Store and Forward	Mounting	DIN-Rail, Wall mounting (optional)
Protocol	CSMA/CD	Environmental Limits	
Flow Control	IEEE 802.3x back pressure flow control	Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Switch Properties		Storage Temperature	-40°C ~ 85°C
Transfer Rate	14,880pps for Ethernet Port	Ambient Relative Humidity	5 to 95%, (non-condensing)
	148,800pps for Fast Ethernet Port	Regulatory Approvals	
Jumbo Frame	-	EMI	FCC Class A
MAC Table Size	8K	EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
Interface		Free Fall	IEC60068-2-32
Ethernet Port	6*RJ45 Ports w/10/100Tx	Shock	IEC60068-2-27
Gigabit Combo Port (Copper/SFP)	2 *RJ45 Ports w/10/100/1000TX	Vibration	IEC60068-2-6
	Ethernet and 2*100/1000 SFP Slot	Green	RoHS Compliant
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5	Certifications	FCC, CE, UL 61010-1,
	100Base Tx: 2-pair UTP/STP Cat. 5		UL 61010-2-201,
	1000Base Tx: 2-pair UTP/STP Cat. 5/5E		UL Class 1 Division 2, ISA 12.12.01
Power Requirements		Warranty	5 Years
Input Voltage	12~48VDC, Redundant Input		
Overload Current Protection	Present		
Connection	1 removable 6-contact terminal block		
Reverse Polarity Protection	Yes		
Power Consumption	10 Watts		

ORDERING INFO

LNX-0802C-SFP	8-Port Industrial Gigabit Unmanaged Ethernet Switch, w/6*10/100Tx, and 2*Gigabit Combo ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)
LNX-0802C-SFP-T	8-Port Industrial Gigabit Unmanaged Ethernet Switch, w/6*10/100Tx, and 2*Gigabit Combo ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots) ; EOT: -40° to 75°C
Optional Accessories	
DR-15-24	15W Industrial Din Rail Power Supply, 24VDC
DR-45-24	45W Industrial Din Rail Power Supply, 24VDC
MDR-60-48	60W Industrial Din Rail Power Supply, 48VDC
DR-75-48	75W Industrial Din Rail Power Supply, 48VDC

LNX-C500 Series

Features

Compact 5-Port Industrial Unmanged Ethernet Switches, w/5*10/100Tx, 12~48VDC Power Input



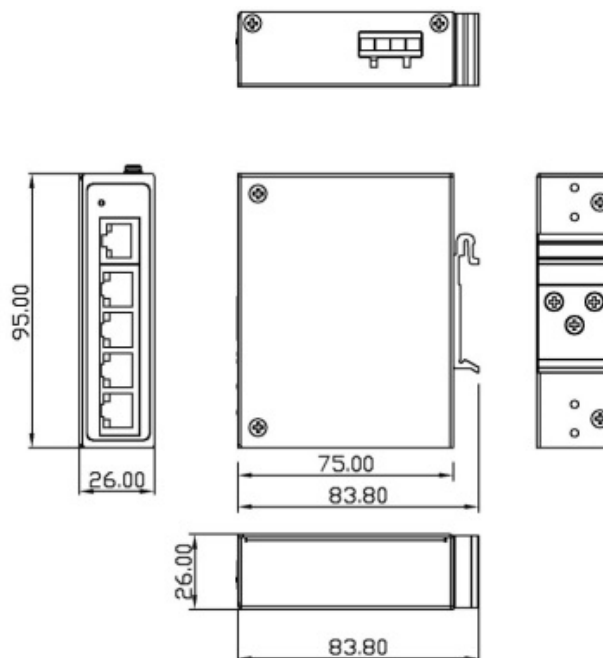
- ▶ Compact Industrial Grade Design
- ▶ Supports 5-Port 10/100Tx RJ45 Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Power Polarity Reserve Protect
- ▶ Overload Current Protection
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range:
 - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNX-C500 series is a compact 5-port industrial Ethernet switch. The small form factor of this metal IP30 rated industrial switch is 30% smaller allowing for a more versatile implementation. The LNX-C500 series is equipped with 5*10/100Tx RJ45 Ethernet ports; with a backplane speed of 1gbps. The industrial grade design and compact size of the LNX-C500 series makes this the ideal unit for integration into projects or other applications that need a small footprint.

The LNX-C500 series supports high EFT & ESD protection through the redundant power inputs that support reverse polarity and overload current protection. This product series supports DIN-rail as well as wall mountable orientations and provides operating temperature range models in STD: -10°C to 70°C and EOT: -40°C to 75°C. This is an industrial grade unit applicable for networking applications in factory automation, ITS, power/utility, water wastewater treatment plants, or any application that needs a compact solution.

DIMENSIONS



SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet	LED Indicator	Per Unit: Power 1 & 2
Switch Properties		Housing	Metal IP30 rated
Protocol	CSMA/CD	Dimensions	26 x 95 x 75 mm
Data Process	Store and forward	Weight	Unit: 1.0 lbs; Shipping: 1.5 lbs
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,880pps for 100Base-T Fast Ethernet port	Mounting	DIN-Rail; Wall-mount (optional)
Packet Buffer	448 Kbits	Power Requirement	
MAC Table	8K	Input Voltage	12~48VDC Redundant Input
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Power Connection	1 removable 4-contact terminal block
Port Interface		Power Consumption	1.2 Watts
Ethernet RJ45 Port	5*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Environmental Limits	
Protection		Operating Temperature	STD: -10° to 70° C EOT: -40° to 75° C
Overload Current	Present	Storage Temperature	-40°C ~ 85°C
Power Reverse Polarity	Present (the unit will not be on, if power reverse)	Ambient Relative Humidity	5 to 95%, (non-condensing)
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable.	Regulatory Approvals	
		EMI	FCC Class A
		EMS	EN61000-4-2,3,4,5,6,8
		Free Fall	IEC60068-2-32
		Shock	IEC60068-2-27
		Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE, UL 61010-1, UL 61010-2-201
		Compliance	NEMA TS1/TS2
		Warranty	5 Years

ORDERING INFO

LNX-C500	Compact 5-Port Industrial Ethernet Switch with 5*10/100Tx
LNX-C500-T	Compact 5-Port Industrial Ethernet Switch with 5*10/100Tx; EOT -40° to 75°C

Optional Accessories

DR-15-12	15W Industrial DIN-Rail Power Supply, 12VDC
MDR-20-24	20W Industrial DIN-Rail Power Supply, 24VDC
MDR-40-48	40W Industrial DIN-Rail Power Supply, 48VDC
MDR-60-48	60W Industrial DIN-Rail Power Supply, 48VDC
DR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC

LNX-C500-CC Series

5-Port Industrial Compact Unmanaged Ethernet Switch, with 5*10/100Tx and Conformal Coating



Features

- ▶ Conformal Coating
- ▶ Compact Industrial Grade Design
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Power Polarity Reverse Protect
- ▶ Overload Current Protection
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

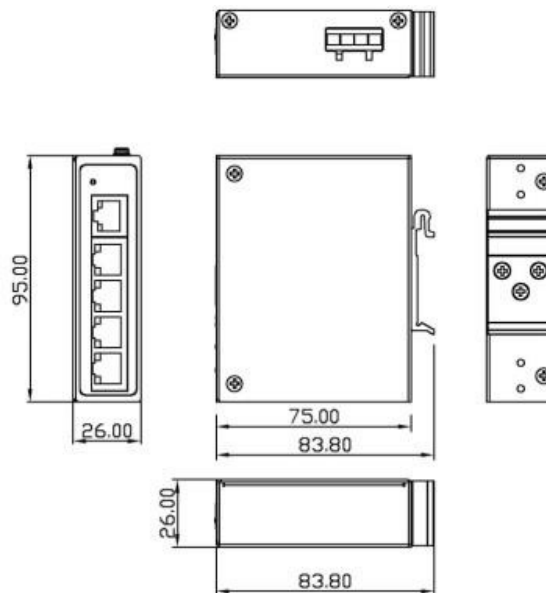
INTRODUCTION

Antaira's compact design LNX-C500-CC series industrial unmanaged Ethernet switch is IP30 rated and DIN-Rail mountable. The LNX-C500 series is equipped with 5*10/100Tx RJ45 Ethernet ports; with a backplane speed of 1gbps. The small form factor of this industrial switch is 30% smaller allowing for a more versatile implementation.

Conformal coating is a specialty film which conforms to the contours of the printed circuit board to protect the board from adverse environmental conditions. Antaira's conformal coating process meets or exceed the standards for protection against gases, dust, and water.

The LNX-C500-CC series is a perfect industrial networking product to support any application such as power/utility, water wastewater treatment, oil/gas/mining, process control automation, security access control systems, and intelligent transportation systems.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet
Processing Type	Store-and-Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
Switch Properties	
Packet Buffer	448 Kbits
MAC Table Size	8K
Interface	
Ethernet Port	5*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable
LED Indicators	Power and Port Link/Activity Status
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	26 x 95 x 75 mm
Weight	Unit: 1.0 lb Shipping: 1.5 lbs
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement	
Input Voltage	12~48VDC Redundant Input
Power Connection	1 removable 4-contact terminal block
Reverse Polarity Protection	Present (the unit will not be on, if power reverse)
Overload Current Protection	Present
Power Consumption	1.2 Watts
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°~85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL61010-1,61010-2-201
Compliance	NEMA TS1/TS2 IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60 IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class GX-Severe) ANSI/ISA 71.04 (Class GX-Severe)
Corrosion Prevention	
Warranty	5 Years

ORDERING INFO

LNX-C500-CC	5-Port Industrial Compact Unmanaged Ethernet Switch, with 5*10/100Tx and Conformal Coating
LNX-C500-T-CC	5-Port Industrial Compact Unmanaged Ethernet Switch, with 5*10/100Tx; EOT: -40°~75°C and Conformal Coating

Optional Accessories

DIN-RACK-2U	DIN-Rail to 19" Rack Mount Adapter for all Din-Rail Mountable Products, 2U Height
DIN-RAIL-10	35mm Steel DIN-Rail Track – 10 Inches Long
DR-15-12	15 Watt Industrial Single Output DIN Rail Power Supply – 12 VDC / 1.25 Amps
DR-75-48	75 Watt Industrial Single Output DIN Rail Power Supply – 48 VDC / 1.6 Amps
MDR-20-24	20 Watt Industrial Single Output DIN Rail Power Supply – 24 VDC / 1.00 Amp
MDR-40-48	40 Watt Industrial Single Output DIN Rail Power Supply – 48 VDC / 0.83 Amps
MDR-60-48	60 Watt Industrial Single Output DIN Rail Power Supply – 48 VDC / 1.25 Amps

LNX-C800 Series

8-Port Industrial Compact Unmanaged Ethernet Switch, with 8*10/100Tx



Features

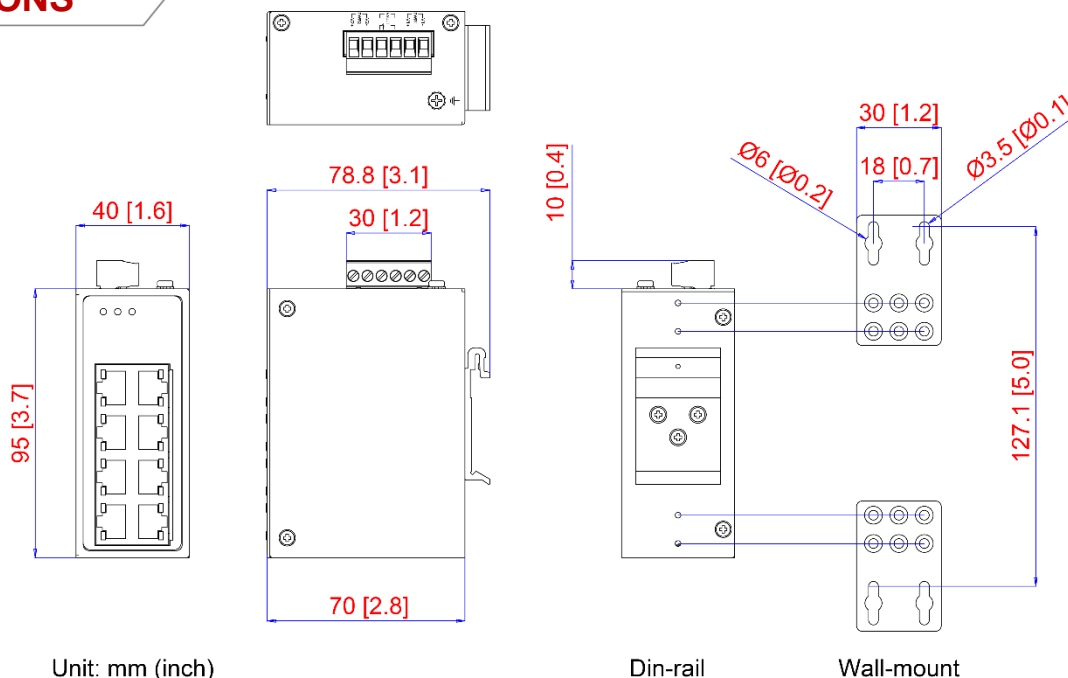
- ▶ Compact Industrial Grade Design
- ▶ Supports 8-Port 10/100Tx RJ45 Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Power Polarity Reverse Protection
- ▶ Overload Current Protection
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10° to 65°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' **LNX-C800 series** is a compact 8-port industrial Ethernet switch. The small form factor of this metal IP30 rated industrial switch is 30% smaller allowing for a more versatile implementation. The LNX-C800 series is equipped with 8*10/100Tx RJ45 Ethernet ports. The industrial-grade design and compact size of the LNX-C800 series make this the ideal unit for integration into projects or other applications that need a small footprint.

The LNX-C800 series supports reverse polarity and overload current protection. This product series supports DIN-rail as well as wall-mountable orientations and provides operating temperature range models in STD: -10°C to 65°C and EOT: -40°C to 75°C. This is an industrial-grade unit applicable for networking applications in factory automation, ITS, power/utility, water wastewater treatment plants, or any application that needs a compact solution.

DIMENSIONS



SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet	LED Indicator	Per Unit: Power 1 & 2, and Fault
Switch Properties		Housing	Metal IP30 rated
Protocol	CSMA/CD	Dimensions	40 x 95 x 70 mm
Processing Type	Store and Forward	Weight	Unit: 0.74 lbs; Shipping: 1.05 lbs
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,800pps for 100Base-T Fast Ethernet port	Mounting	DIN-Rail; Wall-mount (optional)
Switching Fabric (Back-Plane)		Power Requirement	
Switching Fabric (Back-Plane)	1.6Gbps	Input Voltage	12~48VDC Redundant Input
Packet Buffer	448 Kbits	Power Connection	1 removable 6-contact terminal block
MAC Table Size	1K	Power Consumption	2.2 Watts
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Environmental Limits	
Port Interface		Operating Temperature	STD: -10° to 65°C EOT: -40° to 75°C
Ethernet RJ45 Port	8*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Storage Temperature	-40°C ~ 85°C
Protection		Ambient Relative Humidity	5 to 95%, (non-condensing)
Overload Current Protection	Present (Slow-Blown Fuse)	Regulatory Approvals	
Power Reverse Polarity	Present	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable	EMS	CE EN55035/EN61000-6-2 Class A IEC61000-4-2,3,4,5,6,8
		Free Fall	IEC60068-2-32
		Shock	IEC60068-2-27
		Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE, UL 61010-1, UL 61010-2-201
		Warranty	5 Years

ORDERING INFO

LNX-C800	8-Port Industrial Compact Unmanaged Ethernet Switch with 8*10/100Tx
LNX-C800-T	8-Port Industrial Compact Unmanaged Ethernet Switch with 8*10/100Tx; EOT: -40° to 75°C

LNX-1002C-SFP Series

10-Port Industrial Gigabit Unmanaged Ethernet Switch, 8*10/100Tx, 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)



Features

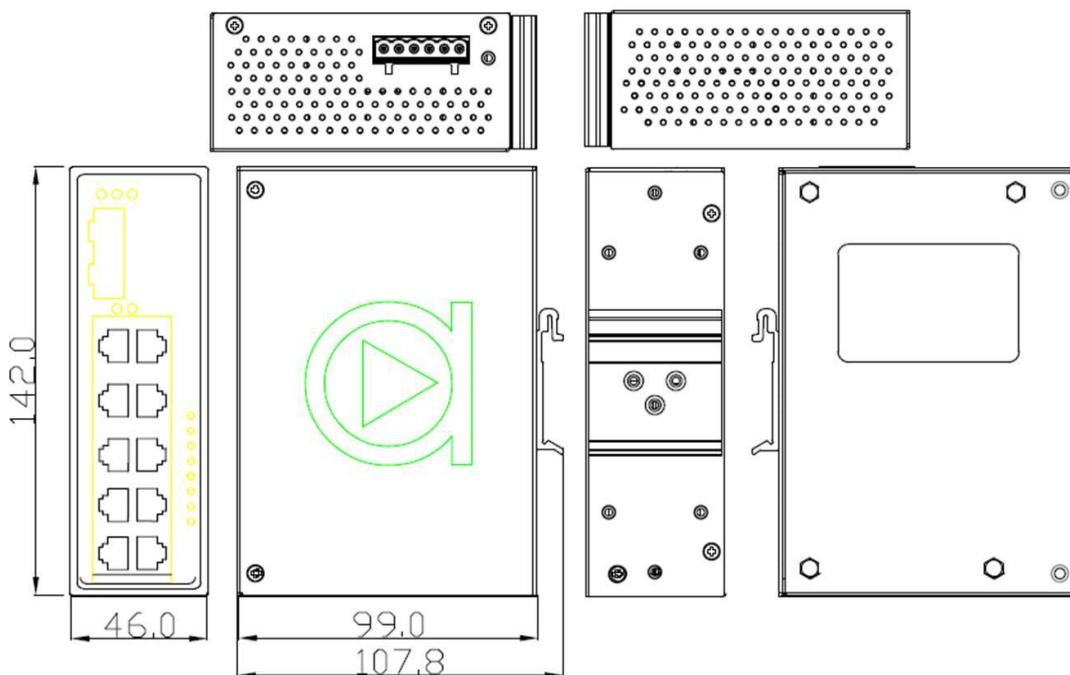
- ▶ Supports 8-Port 10/100Tx and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 8K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNX-1002C-SFP series industrial gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable with 8*10/100Tx and 2*GigE combo ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP slots for fiber). This series is ideal for applications that demand high bandwidth and long distance communication.

The LNX-1002C-SFP series provides a high EFT and ESD protection along with a dual power input having a reverse power polarity protection. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports from -40 to 75°C. Also, this product series has been designed to fulfill special needs for industrial automation and harsh outdoor environment applications.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx Ethernet IEEE 802.3az Gigabit Fiber
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	4Mbps (default)
Jumbo Frame	-
MAC Table Size	8K
Interface	
Ethernet Port	6*RJ45 Ports w/10/100Tx
Gigabit Combo Port (Copper/SFP)	2 *RJ45 Ports w/10/100/1000TX Ethernet and 2*100/1000 SFP Slot
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5 1000Base Tx: 2-pair UTP/STP Cat. 5/5E
Power Requirements	
Input Voltage	12~48VDC, Redundant Input
Overload Current Protection	Present
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	10 Watts
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142 mm (W*D*H)
Weight	Unit: 1.5lbs. Shipping Weight: 2.0 lbs.
Mounting	DIN-Rail, Wall mounting (optional)
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

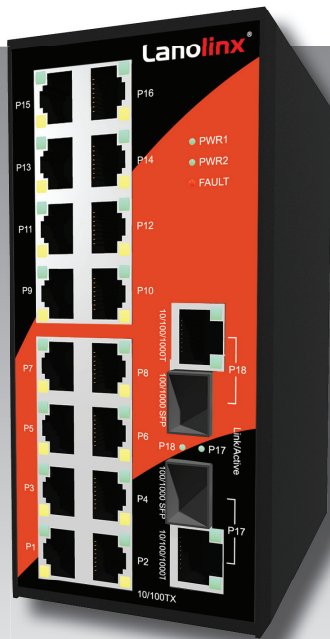
LNX-1002C-SFP	10-Port Industrial Gigabit Unmanaged Ethernet Switch, w/8*10/100Tx, and 2*Gigabit Combo ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)
LNX-1002C-SFP-T	10-Port Industrial Gigabit Unmanaged Ethernet Switch, w/8*10/100Tx, and 2*Gigabit Combo ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots) ; EOT: -40 to 75C

Optional Accessories

DR-15-24	15W Industrial Din Rail Power Supply, 24VDC
DR-45-24	45W Industrial Din Rail Power Supply, 24VDC
MDR-60-48	60W Industrial Din Rail Power Supply, 48VDC
DR-75-48	75W Industrial Din Rail Power Supply, 48VDC

Lanolinx LNX-1802G

16-Port 10/100BaseTX + 2-Port 10/100/1000T/Mini-GBIC Combo Industrial Switch

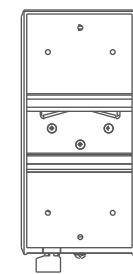
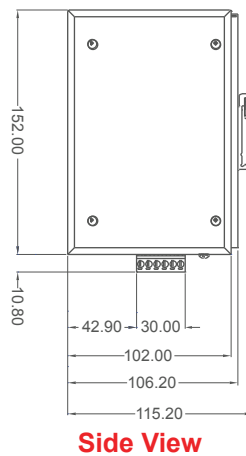
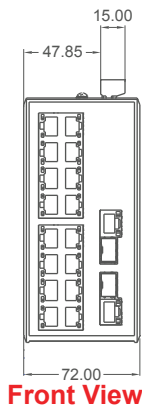


Features

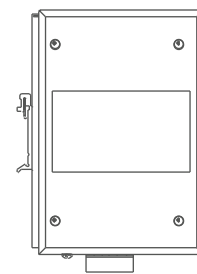
- ▶ 16-Port 10/100TX + 2-Port 10/100/1000T/Mini-GBIC Combo
- ▶ 7.2 Gbps Back-Plane (Switching Fabric)
- ▶ Store-and-Forward Switching Architecture
- ▶ 1 Mbits Packet Buffer
- ▶ 8K MAC Address Table
- ▶ Wide-Range Redundant Power Design
- ▶ Provides EFT Protection 3000 VDC for Power Line
- ▶ Supports 6000 VDC Ethernet ESD Protection
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail or Panel Mountable for Easy Installation
- ▶ 5-Year Warranty



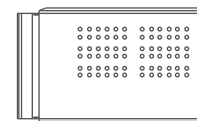
▶ Specifications



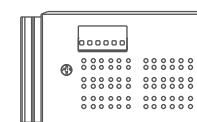
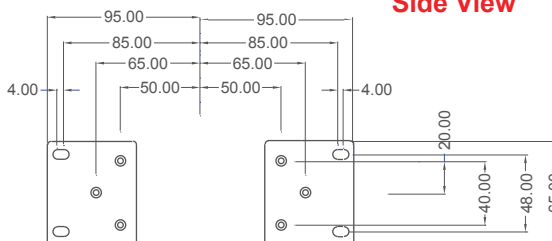
Back View



Side View



Bottom View



Top View

► Specifications

Standard

IEEE 802.3 10BaseT Ethernet
IEEE 802.3u 100BaseTX
IEEE 802.3ab 1000BaseT
IEEE 802.3z Gigabit Fiber
IEEE 802.3x Flow Control and Back-Pressure

Switch Architecture

Back-Plane (Switching Fabric): 7.2Gbps
Packet Throughput Ability (Full-Duplex): 10.7Mpps @ 64bytes

Transfer Rate

14,880pps for Ethernet Port
148,800pps for Fast Ethernet Port
1,488,000pps for Gigabit Fiber Ethernet Port

Packet Buffer

1 Mbits

MAC Address

8K MAC Address Table

Interface

10/100TX: 16 x RJ-45
10/100/1000T/Mini-GBIC Combo: 2 x RJ-45 + 2 x 100/1000 SFP Sockets

Network Cable

10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable
EIA/TIA-568 100-ohm (100m)
100BaseTX: 2-pair UTP/STP Cat. 5 cable
EIA/TIA-568 100-ohm (100m)

Optical Cable

LC (Multi-Mode): 50/125µm ~ 62.5/125µm
LC (Single-Mode): 9/125µm ~ 10/125µm

Protocol

CSMA/CD

LED

Unit: Power 1, Power 2, Fault
10/100 TX: Link/Activity, Full-Duplex/Collision
Gigabit Copper: Link/Activity, Speed
SFP: Link/Activity

Reverse Polarity Protection

Present

Overload Current Protection

Present

Power Supply

DC 12 ~ 48V, Redundant Power with Polarity Reverse Protect Function and Connective Removable Terminal Block

Power Consumption

9 Watts

Operation Temperature

Standard: -10° C to 70° C (14° F to 158° F)
Wide Operating Temperature: -40° to 80° C (-40° to 176° F)

Operation Humidity

5% to 95% (Non-condensing)

Storage Temperature

-40° C to 85° C

Mechanical

Casing: IP30 Metal Case, DIN-Rail/Wall Mountable
Dimension (W x H x D): 72 x 152 x 105 mm (2.83 x 4.13 x 5.98 in.)
Weight: 2.2 lbs. (Unit Weight), 3.3 lbs. (Shipping Weight)

EMI

FCC Class A,
CE EN6100-4-2, EN6100-4-3, EN6100-4-4, EN6100-4-5, EN6100-4-6,
EN6100-4-8, EN6100-4-11, EN6100-4-12, EN6100-6-2, EN6100-6-4

Safety

UL, cUL, CE EN60950-1

Stability Testing

Shock: IEC60068-2-27
Free Fall: IEC60068-2-32
Vibration: IEC60068-2-6

Warranty

5-Year Warranty

► Ordering Information

LNX-1802G

18-Port (16-port 10/100TX + 2-port 10/100/1000T/Mini-GBIC Combo) Gigabit Industrial Ethernet Switch, Unmanaged ***

LNX-1802G-T

18-Port (16-port 10/100TX + 2-port 10/100/1000T/Mini-GBIC Combo) Gigabit Industrial Ethernet Switch, Unmanaged, Wide Operating Temperature ***

*** SFP MODULES SOLD SEPARATELY ***

Optional Accessories

SFP-M

SFP Module, Multi-Mode, 550m

SFP-S10

SFP Module, Single-Mode, 10Km

DR-4524

45W 24VDC Industrial DIN Rail Power Supply

DR-75-24

75W 24VDC Industrial DIN Rail Power Supply

DR-120-24

120W 24VDC Industrial DIN Rail Power Supply

Antaira Technologies

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