LNX-2004G-SFP Series

20-Port Industrial Gigabit Unmanaged Ethernet Switch, with 16*10/100/1000Tx + 4*100/1000 SFP Slots; 12~48VDC Power Input

Features

▶ **Supports 16*10/100/1000Tx Gigabit Ethernet**
▶ **Supports 4*100/1000 Auto Sensing SFP Slots**
▶ **Built-in Relay for Power Redundancy Failure Warning**
▶ **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 and Wall Mount Support**
▶ **Tested at Heavy Industry EMS Level for the Best Electro-Magnetic Susceptibility**
▶ **Operating Temperature Range: STD: -10° to 65°C, EOT: -40° to 75°C**
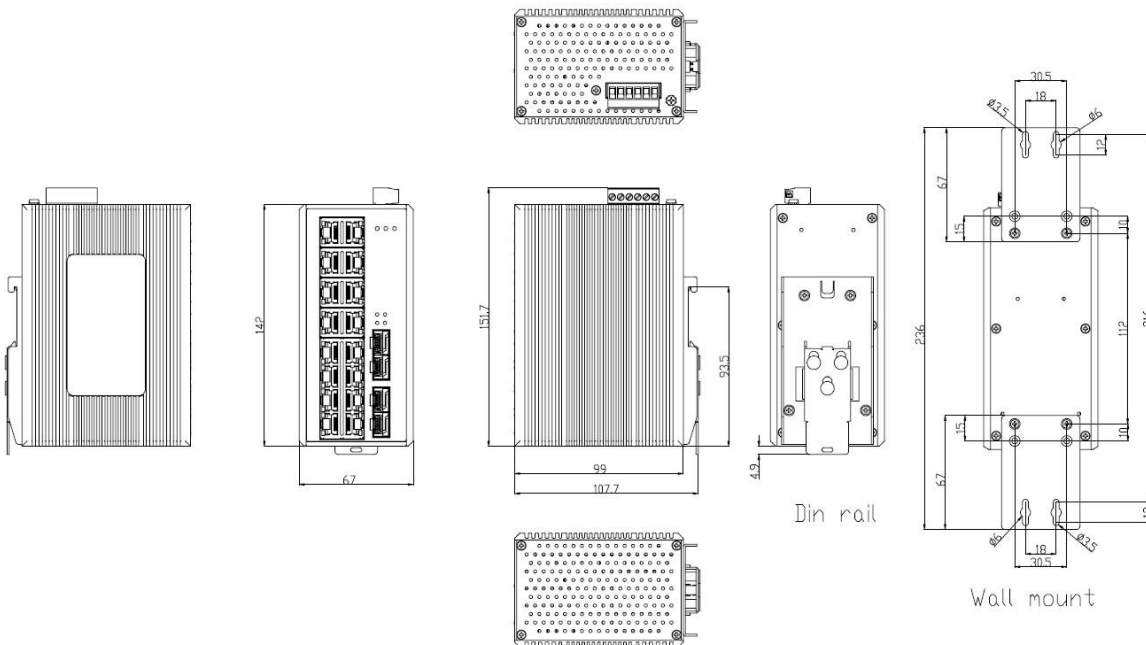▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNX-2004G-SFP series industrial gigabit unmanaged Ethernet switch is IP30 rated and DIN-Rail mountable. Each unit is designed with 16 Gigabit Ethernet ports and 4 dual rates (100/1000) SFP slots for fiber connections, making it ideal for applications that demand high bandwidth and long-distance communication.

This product provides high EFT and ESD protection to prevent any unregulated voltage and is suitable for harsh environments. The unit also supports a standard operating temperature from -10° to 65°C or -40° to 75°C with the extended temperature version.

The LNX-2004G-SFP series is a perfect industrial networking product to support any applications that require high bandwidth or high-density connections, such as power/utility, water wastewater treatment, oil/gas/mining, process control automation, security access control systems, and intelligent transportation systems.

DIMENSIONS

Din rail

Wall mount

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X 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: 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	512Kbytes
Jumbo Frame	9,216bytes
MAC Table Size	8K

Interface

Ethernet Port	16*10/100/1000T(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	4*100/1000 SFP slots
LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On- Link / Flashing- Data transmitting SFP: Link / Act
Wavelength	Depends on SFP modules
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) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
Optical Cable	Multi-mode cable – 50/125um or 62.5/125um Single-mode cable – 9/125um or 10/125um

Mechanical Characteristics

Housing	Aluminum and Metal, IP30 protection
Dimensions	67 x 142 x 99 mm (W x H x D)
Weight	Unit: 2.65 lbs. Shipping: 3.09 lbs.
Mounting	DIN-Rail, Wall Mounting (optional)

Power Requirement

Input Voltage	12 to 48VDC, Redundant Inputs
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	16.5Watts for System
Relay Contact	24VDC, 1A resistive

Environmental Limits

Operating Temperature	STD: -10°C to 65°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-2004G-SFP	20-Port Industrial Gigabit Unmanaged Ethernet Switch, with 16*10/100/1000Tx + 4*100/1000 SFP Slots
LNX-2004G-SFP-T	20-Port Industrial Gigabit Unmanaged Ethernet Switch, with 16*10/100/1000Tx + 4*100/1000 SFP Slots; EOT: -40°C to 75°C

Optional Accessories

HDR-30-24	30W Industrial DIN-Rail Power Supply, 24VDC
HDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC
EDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC