

LNX-1604G-SFP Series

16-Port Industrial Gigabit Unmanaged Ethernet Switch, with 12*10/100/1000Tx, and 4*100/1000 SFP Slots



Features

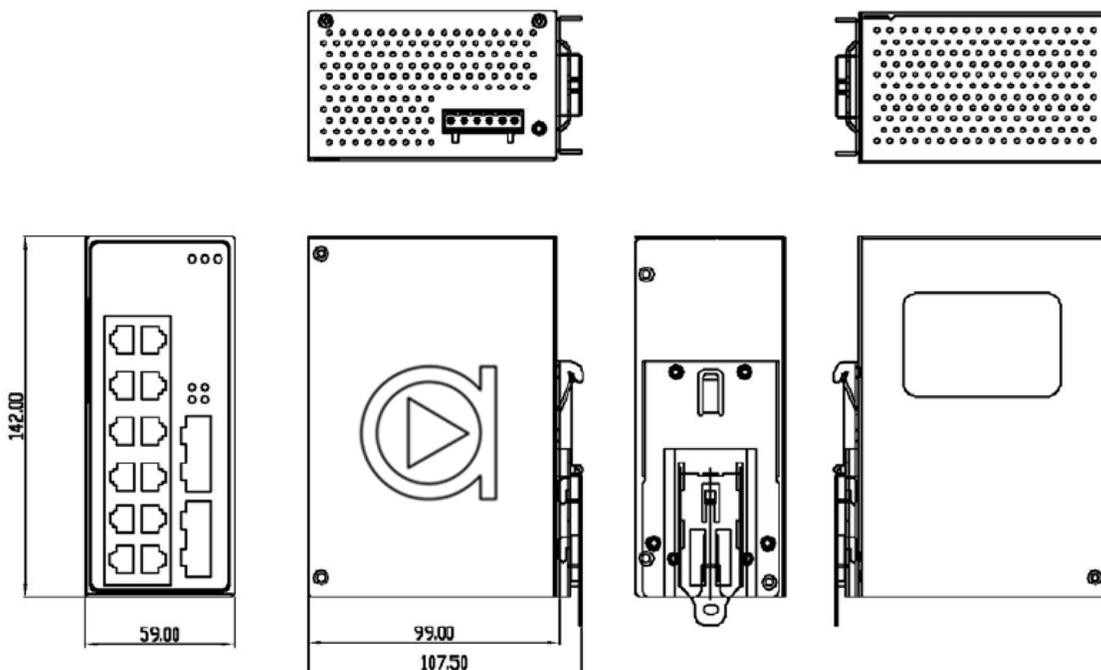
- ▶ Supports 12*10/100/1000Tx and 4*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 8K MAC Address Table
- ▶ Jumbo Frame Support: 12.2K
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 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-1604G-SFP industrial gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable. Each unit is designed with twelve gigabit Ethernet ports and four dual rate (100/1000) SFP slots for fiber connections, making it ideal for applications that demand high bandwidth and long distance communication; such as, power/utility, water wastewater treatment plants, oil/gas/mining, process control automation, security access control systems, and intelligent transportation systems.

This product 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 to 70°C or -40 to 75°C environment.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx IEEE 802.3z 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 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Transfer Rate	EFT: 2,000VDC; ESD: 6,000VDC
Protection	4 Mbits
Memory Buffer	12.2Kbytes
Jumbo Frame	8K
MAC Table Size	
Interface	
Ethernet Port	12*10/100/1000BaseT(X), Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	4*100/1000 SFP Slot
Wavelength	Refer to SFP Module
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 (Slow Blown Fuse)
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Power Consumption	16 Watts
Relay Contact	24VDC, 1A resistive

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	59 x 99 x 142 mm (W*D*H)
Weight	Unit 2.2 lbs. ; Shipping Weight 2.7 lbs.
Mounting	DIN-Rail and wall mounting Provided
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 & 61010-2-201 (Pending)
Compliance	NEMA TS1/TS2 (ITS) EN50121-4 (Railway)
Warranty	5 Years

ORDERING INFO

LNX-1604G-SFP	16-Port Industrial Gigabit Unmanaged Ethernet Switch, w/12*10/100/1000Tx, & 4*100/1000 SFP Slot
LNX-1604G-SFP-T	16-Port Industrial Gigabit Unmanaged Ethernet Switch, w/12*10/100/1000Tx, & 4*100/1000 SFP Slot; EOT: -40 to 75°C

Optional Accessories

SFP-M-T	1 Gigabit Fiber SFP Transceiver, Multi-Mode 550KM / LC/ 850NM, -40° to 85°C
SFP-S10-T	1 Gigabit Fiber SFP Transceiver, Single-Mode 10KM / LC/ 1310NM, -40° to 85°C
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