

LNx-2004G-SFP Series

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



FEATURES

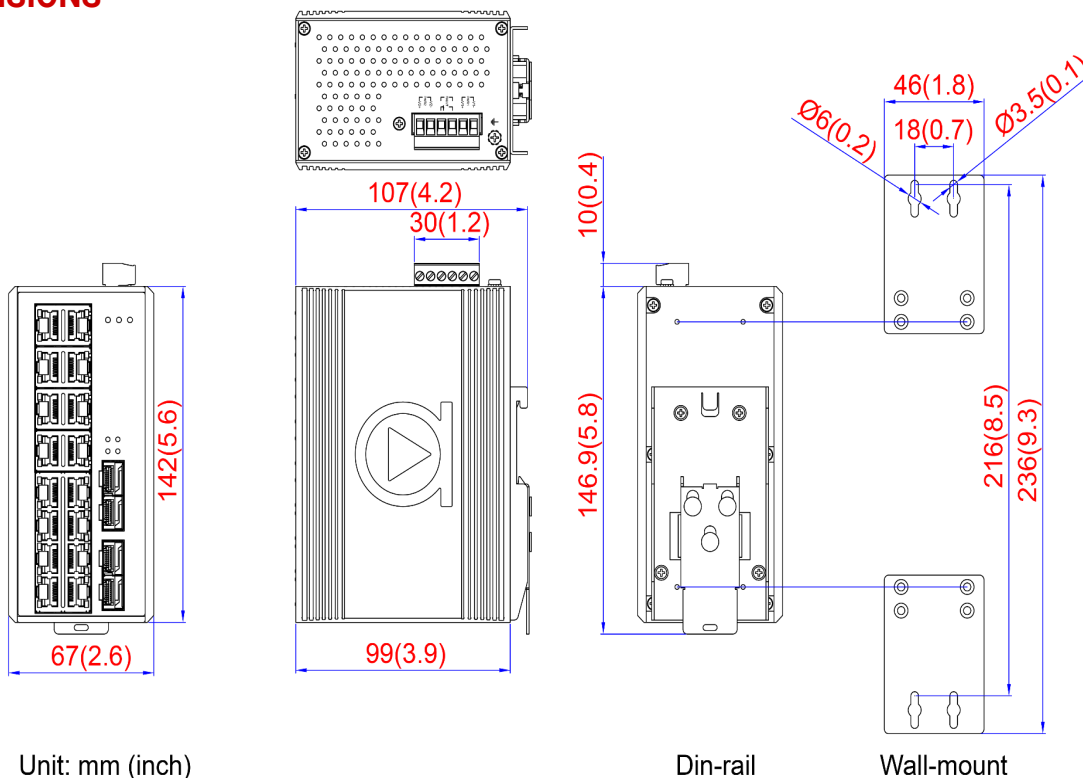
- ▶ Support 16*10/100/1000Tx and 4*100/1000 SFP Slot
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input 12~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ Overload Current Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty



INTRODUCTION

Antaira Technologies' LNX-2004G-SFP Series is a 20-port industrial Gigabit unmanaged Ethernet switch embedded with 16*10/100/1000Tx Ethernet ports and 4*100/1000 SFP Slots. It is IP30 rated and designed with both DIN-Rail and wall mounting options. It is ideal for applications that require high density port connections with wide network bandwidth. The LNX-2004G-SFP series works well in industrial applications such as, security video surveillance, GigE machine vision, process control automation, and intelligent transportation. This product series provides high EFT and ESD protection with a redundant power input support of 12~48VDC. The unit also supports a standard operating temperature from -10°C to 65°C or -40°C to 75°C with the extended temperature version.

DIMENSIONS



SPECIFICATIONS

TECHNOLOGY		POWER REQUIREMENT	
Standards	IEEE 802.3 10Base-T Ethernet	Input Voltage	12~48VDC Redundant Input
	IEEE 802.3u 100Base-TX Fast Ethernet	Power Connection	1 removable 6-contact terminal block
	IEEE 802.3ab 1000Base-T Gigabit Ethernet	Relay Contact	24VDC, 1A resistive
	IEEE 802.3z 1000Base-X Gigabit Fiber	Overload Current Protection	Present (Slow-Blown Fuse)
SWITCH PROPERTIES		Reverse Polarity Protection	Present
Switch Architecture	Switching Fabric (Back-Plane): 40Gbps	System Power Consumption	Max 15 Watts full loading
Processing Type	Store and Forward	ENVIRONMENTAL LIMITS	
Flow Control	IEEE 802.3x flow control, back pressure flow control	Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Protocol	CSMA/CD	Storage Temperature	-40°C ~ 85°C
Transfer Rate	14,880pps for Ethernet	Ambient Relative Humidity	5 to 95%, (non-condensing)
	148,800pps for Fast Ethernet	REGULATORY APPROVALS	
	1,488,000pps for Gigabit Ethernet	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
MAC Table Size	8K	EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
Jumbo Frame	9.6Kbytes	Free Fall	IEC60068-2-32
Memory Buffer	4Mbits	Shock	IEC60068-2-27
PORT INTERFACE		Vibration	IEC60068-2-6
Ethernet Port	16*10/100/1000Base-TX	Green	RoHS Compliant
	Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Certifications	FCC, CE, UL61010-1, UL61010-2-201
SFP Port	4*100/1000 SFP Slot	Warranty	5 Years
LED Indicators	System: Power 1, Power 2, Fault		
	Ethernet ports: On-Link/Flash-data transmitting		
	SFP: Speed/Link/Active		
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)		
MECHANICAL CHARACTERISTICS			
Housing	Metal, IP30 protection		
Dimension	67 x 142 x 99 mm (W x H x D)		
Weight	Unit: 2.62 lbs.		
	Shipping: 3.28 lbs.		
Mounting	DIN-Rail mounting, Wall mounting		

ORDERING INFORMATION

LNx-2004G-SFP	20-Port Industrial Gigabit Unmanaged Ethernet Switch, 16*10/100/1000Tx and 4*100/1000 SFP Slots
LNx-2004G-SFP-T	20-Port Industrial Gigabit Unmanaged Ethernet Switch, 16*10/100/1000Tx and 4*100/1000 SFP Slots; EOT: -40°C to 75°C

Assured Systems

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