LNX-1604G-SFP Series

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

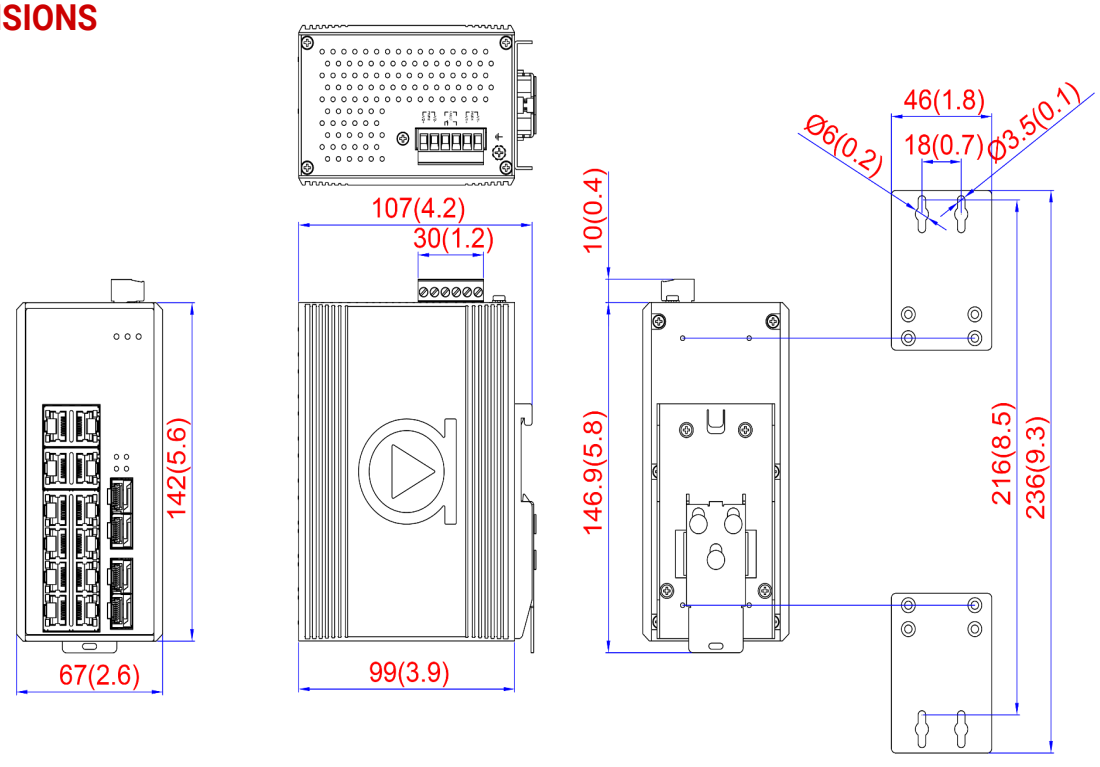
FEATURES

- Support 12*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-1604G-SFP Series is a 16-port industrial Gigabit unmanaged Ethernet switch embedded with 12*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-1604G-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



Unit: mm (inch)

Din-rail

Wall-mount

SPECIFICATIONS

TECHNOLOGY	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber
SWITCH PROPERTIES	
Switch Architecture	Switching Fabric (Back-Plane): 32Gbps
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Protocol	CSMA/CD
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
MAC Table Size	8K
Jumbo Frame	9.6Kbytes
Memory Buffer	4Mbits
PORT INTERFACE	
Ethernet Port	12*10/100/1000Base-TX Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	4*100/1000 SFP Slots
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: 2.57 lbs. Shipping: 3.22 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 (Slow-Blown Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max 15 Watts full loading
ENVIRONMENTAL LIMITS	
Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 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, 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, UL61010-1, UL61010-2-201
Warranty	5 Years

ORDERING INFORMATION

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

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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