antaira®

LNX-1002G-10G-SFP

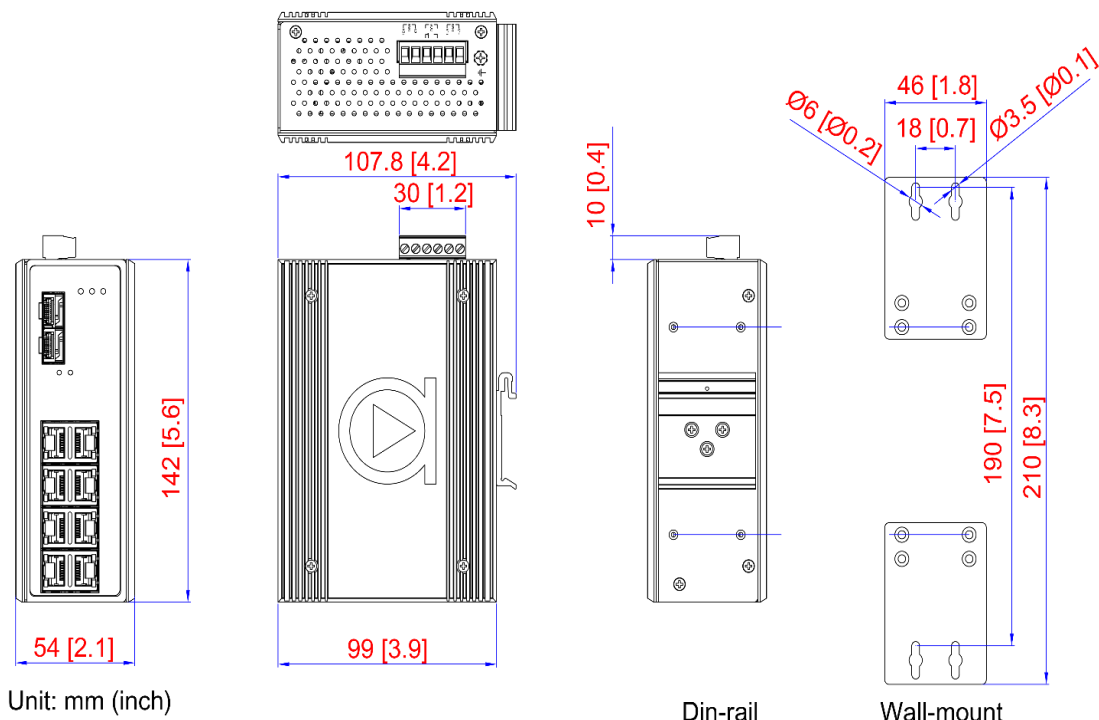10-Port Industrial Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx and 2*10G SFP+ Slots

Features

▶ **Supports 8*10/100/1000Tx and 2*10G SFP+ Slots**
▶ **Store-and-Forward Switching Architecture**
▶ **56Gbps Back-Plane (Switching Fabric)**
▶ **16K MAC Address Table**
▶ **9.6Kbytes Jumbo Frame 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 Included**
▶ **Operating Temperature Range: -40°C~65°C**
▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNX-1002G-10G-SFP are industrial gigabit unmanaged Ethernet switches featuring 8*10/100/1000Tx Gigabit Ethernet ports and 2*10G SFP+ slots which provide options for long-distance fiber connections, making it ideal for applications that demand high bandwidth and long-distance communication.

The LNX-1002G-10G-SFP are IP30 rated and DIN-rail mountable. These Ethernet switches are designed to support an operating temperature range from -40° to 65°C and are perfect industrial networking products 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

107.8 [4.2]
30 [1.2]
142 [5.6]
54 [2.1]
99 [3.9]
10 [0.4]
Unit: mm (inch)

46 [1.8]
18 [0.7]
Ø6 [Ø0.2]
Ø3.5 [Ø0.1]
190 [7.5]
210 [8.3]

Din-rail   Wall-mount

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3ae 10 Gigabit 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): 56.0Gbps
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for 1000Base-T Gigabit Ethernet 14,880,000pps for 10 Gigabit Ethernet Port
Packet Buffer	8Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	16K

Port Interface	
Ethernet Port	8*10/100/1000Tx Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	2*10G SFP+ slots
LED Indicators	System: Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices SFP: Link/Active
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) 1000BaseTX: 4-pair UTP/STP Cat.5/5E cable EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimension	54 x 142 x 99 mm
Weight	Unit: 2.33 lbs.; Shipping: 2.95 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	10.2W

Environmental Limits	
Operating Temperature	-40°C to 65°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-1002G-10G-SFP	10-Port Industrial Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx and 2*10G SFP+ Slots

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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