LNP-2804GN-SFP-T

28-Port 1U 19" Rackmount Industrial Gigabit PoE+ Managed Ethernet Switch, with 24*10/100/1000Tx (PSE: 30W/Port) and 4* Gigabit Combo Ports (4*10/100/1000Tx RJ45, 4*100/1000 SFP Slots); EOT: -40°C to 75°C
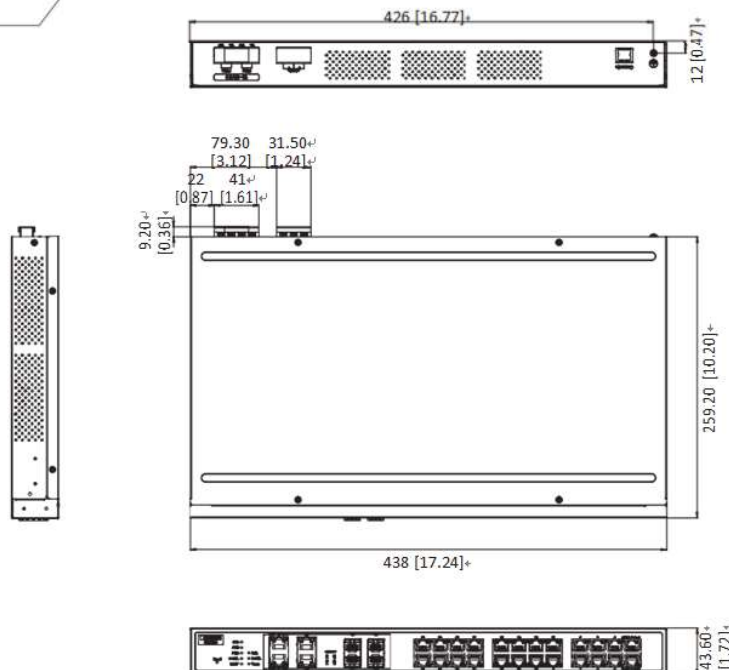
Features

▶ Supports 24*10/100/1000Tx IEEE 802.3 af/at PoE+ Gigabit Ports (PSE: 30W/Port) + 4*Gigabit Copper/SFP Combo Ports (4*10/100/1000Tx RJ45 + 4*100/1000 SFP Slots)
▶ SFP Socket for Easy and Flexible Fiber Expansion
▶ Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB
▶ NAT/Routing: Source NAT, Destination NAT, Static Routing
▶ Security: 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption), HTTPS, SSH and SNMPv3
▶ Redundancy: ERPS, Proprietary Ring (Ultra-High-Speed Recovery Time < 20 ms), RSTP/STP (802.1w/1D), MSTP
▶ 48VDC Power Input (46-57 VDC for PoE af, 53-57 VDC is Recommended for PoE at) & 2 Relay Outputs
▶ Extended Operating Temperature: -40°C ~75°C
▶ Power Polarity Reverse Protection
▶ Overload Current Protection
▶ 1U Rackmount Design
▶ IP30 Protection
▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-2804GN-SFP-T is an industrial-class Layer 3 full managed switch with 24 Gigabit ports and four Gigabit combo ports. It is designed for rack-mount installation, and can be deployed in demanding outdoor environments. It is suitable for edge to core industrial networks. It integrates layer 3 switching software, which is optimized for scale and performance, delivering wire speed across all ports up to 56 Gbps for Layer 3 traffic forwarding and routing. In addition, the PoE design provides up to 30 watts per port to fulfill high power consumption devices. Moreover, it supports high reliability with -40°C ~ 75°C operating temperatures, and has a dual 48VDC input power design to ensure vital network capabilities with minimal downtime.

DIMENSIONS

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3u 100Base-FX Fast Fiber IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at Power over Ethernet
Processing Type	Store and Forward
Protocol	Web browser, Telnet, Serial Console, TFTP, SNMPv1/v2c/v3, Port Speed/Duplex Configuration, IPv6, IEEE 802.1Q, GVRP, Port-based VLAN, G.8032 ERPS, Proprietary Ring, 802.1w/D RSTP/STP, IP Access Security, Port Security, DHCP Client, Port and IP Binding, 802.1X Port Access Control
Flow Control	IGMP Snooping/Query for Multicast Group Management, Port Trunking, Static/802.3ad, LACP Rate Limit and Storm Control, IEEE 802.1p QoS CoS/TOS/ DSCP Priority Queuing, IEEE 802.3x Flow Control

Switch Properties	
Memory Buffer	4.1Mbits
Jumbo Frame	9,216bytes
MAC Table Size	8k

Interface	
Ethernet Port	24*RJ45 Port w/10/100/1000TX with PoE+, Auto Negotiation Speed, Full/Half Duplex Mode, and Auto MDI/MDI-X Connection
RJ45/Fiber Combo Port	4*100/1000 SFP Slots
Fiber Wavelength	Depends on SFP Modules
LED Indicators	10/100T (X): Link/Activity, Duplex/Collision Gigabit Copper: Link/Activity, Speed (1000 Mbps) SFP: Link/Activity
Console	RS-232 (RJ45)

Power Requirements	
Input Voltage	46 to 57VDC, Redundant Inputs
Power Connection	4-Pin Terminal Block
Power Consumption	20 Watts for System
Max. PoE Power Budget	685 Watts

Mechanical Characteristics	
Housing	Metal, IP30 Protection
Dimensions	438 x 43.6 x 259.2 mm (W x H x D)
Weight	Unit 8.37lbs.
Mounting	1U 19" Rackmount

Environmental Limits	
Operating Temperature	EOT: -40°C to 75°C
Storage Temperature	-40°C to 85°C
Ambient Relative Humidity	10% to 95%, (Non-condensing)

Regulatory Approvals	
EMI	CE FCC EN55022 Class A
EMS	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
Safety	UL 61010-1, UL 61010-2-201
Compliance	EN50121-4
Warranty	5 Years

ODERING INFO

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Optional Accessories	
SFP-100M-T	100 Mbps Fiber SFP Transceiver, Multi-Mode 2km / LC/ 1310nm, -40°C to 85°C
SFP-M-T	1 Gigabit Fiber SFP Transceiver, Multi-Mode 550m / LC/ 850nm, -40°C to 85°C
SFP-100S20-T	100 Mbps Fiber SFP Transceiver, Single-Mode 20km / LC/ 1310nm, -40°C to 85°C
SFP-S10-T	1 Gigabit Fiber SFP Transceiver, Single-Mode 10km / LC/ 1310nm, -40°C to 85°C