

# 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



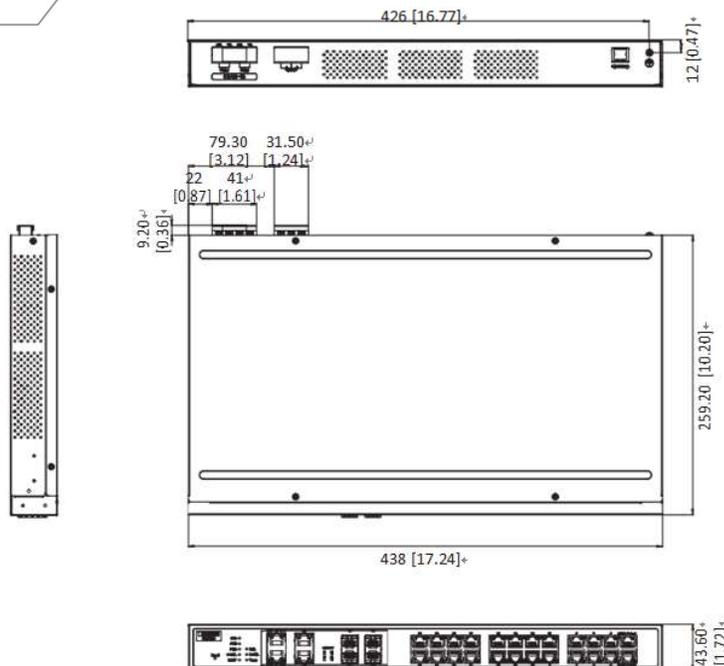
## Features

- ▶ 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

<b>Technology</b>		<b>Power Requirements</b>		
<b>Standards</b>	IEEE 802.3 10Base-T Ethernet	<b>Input Voltage</b>	46 to 57VDC, Redundant Inputs	
	IEEE 802.3u 100Base-TX Fast Ethernet	<b>Power Connection</b>	4-Pin Terminal Block	
	IEEE 802.3ab 1000Base-T Gigabit Ethernet	<b>Power Consumption</b>	20 Watts for System	
	IEEE 802.3u 100Base-FX Fast Fiber	<b>Max. PoE Power Budget</b>	685 Watts	
	IEEE 802.3z 1000Base-X Gigabit Fiber	<b>Mechanical Characteristics</b>		
IEEE 802.3af/at Power over Ethernet	<b>Housing</b>		Metal, IP30 Protection	
<b>Processing Type</b>	Store and Forward	<b>Dimensions</b>	438 x 43.6 x 259.2 mm (W x H x D)	
<b>Protocol</b>	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	<b>Weight</b>	Unit 8.37lbs.	
		<b>Mounting</b>	1U 19" Rackmount	
		<b>Environmental Limits</b>		
		<b>Operating Temperature</b>	EOT: -40°C to 75°C	
		<b>Storage Temperature</b>	-40°C to 85°C	
<b>Flow Control</b>	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	<b>Ambient Relative Humidity</b>	10% to 95%, (Non-condensing)	
		<b>Regulatory Approvals</b>		
<b>Switch Properties</b>		<b>EMI</b>	CE FCC EN55022 Class A	
<b>Memory Buffer</b>	4.1Mbits	<b>EMS</b>	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)	
<b>Jumbo Frame</b>	9,216bytes		<b>Free Fall</b>	IEC60068-2-32
<b>MAC Table Size</b>	8k		<b>Shock</b>	IEC60068-2-27
<b>Interface</b>		<b>Vibration</b>	IEC60068-2-6	
<b>Ethernet Port</b>	24*RJ45 Port w/10/100/1000TX with PoE+, Auto Negotiation Speed, Full/Half Duplex Mode, and Auto MDI/MDI-X Connection	<b>Green</b>	RoHS Compliant	
<b>RJ45/Fiber Combo Port</b>	4*100/1000 SFP Slots	<b>Certifications</b>	FCC, CE	
<b>Fiber Wavelength</b>	Depends on SFP Modules	<b>Safety</b>	UL 61010-1, UL 61010-2-201	
<b>LED Indicators</b>	10/100T (X): Link/Activity, Duplex/Collision Gigabit Copper: Link/Activity, Speed (1000 Mbps) SFP: Link/Activity	<b>Compliance</b>	EN50121-4	
<b>Console</b>	RS-232 (RJ45)	<b>Warranty</b>	5 Years	

## ORDERING INFO

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### Optional Accessories

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