

# LNX-1802GN Series

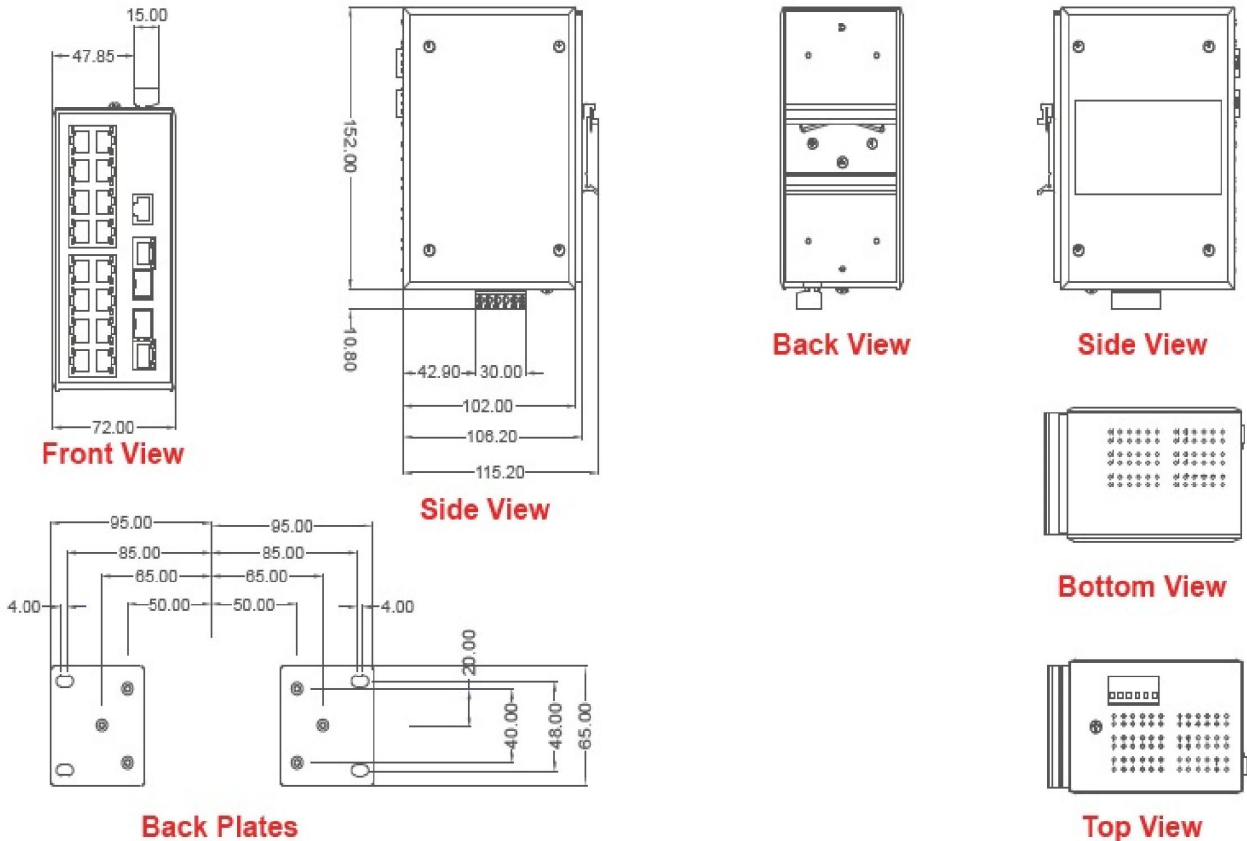
18-Port Industrial Managed Ethernet Switch, w/16\*10/100Tx and 2\*GigE Combo Ports



## Features

- ▶ 16-Port 10/100Tx and 2-Port 10/100/1000T/Mini-GBIC Combo
- ▶ 7.2 Gbps Back-Plane (Switching Fabric)
- ▶ Ethernet Ring Redundancy (Recovery Time <20ms)
- ▶ IEEE 802.1w Rapid Spanning Tree & IEEE 802.1d Spanning Tree Protocol
- ▶ IEEE 802.1x RADIUS
- ▶ IEEE 802.1p Class of Service for Traffic Classification & Prioritization
- ▶ QoS (Quality of Service)
- ▶ Supports Port Based VLAN & IEEE 802.1Q Tag VLAN
- ▶ IGMP with Query Mode for Multi-Media Applications
- ▶ Port Mirroring for Traffic Monitoring
- ▶ IP Address Security Management to Prevent Unauthorized Access
- ▶ UL Class 1 Division 2 Certified
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 80°C
- ▶ 5-Year Warranty

## DIMENSIONS



## SPECIFICATIONS

<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3z Gigabit Fiber IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3ad Port Trunking with LACP IEEE 802.1d Spanning Tree / IEEE 802.1w Rapid Spanning Tree IEEE 802.1p Class of Service IEEE 802.1Q VLAN Tag IEEE 802.1x User Authentication (RADIUS)	<b>Class of Service (IEEE 802.1p)</b>	Provides 4 priority queues per port
<b>Management</b>	SNMP v1, v2c, v3, Web, Telnet, CLI Management	<b>Quality of Service</b>	Port, Tag, IPv4 Type of Service, IPv4 / IPv6 Different Service
<b>VLAN</b>	Port Based, IEEE 802.1Q Tag VLAN (256 Entries) VLAN ID (Up to 4K, 0 to 4096), GVRP (256 Groups)	<b>IGMP</b>	IGMP v1, v2, and Query Mode. Up to 256 Groups
<b>RFC Standard (SNMP MIB)</b>	RFC1215 Trap, RFC1213 MIB II, RFC1157 SNMP MIB, RFC1493 Bridge MIB, RFC2674 VLAN MIB, RFC1643, RFC1757 RSTP MIB, Private MIB	<b>Spanning Tree</b>	IEEE 802.1d Spanning Tree IEEE 802.1w Rapid Spanning Tree
<b>SNMP Trap Protocol</b>	Up to 3 Trap Stations CSMA/CD	<b>SNTP</b>	Supports Simple Network Time Protocol
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 7.2Gbps Packet Throughput Ability (Full-Duplex): 10.7Mpps @ 64bytes	<b>SMTp</b>	Supports Simple Mail Transfer Protocol (6 email Accounts for Alerts)
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Fiber Ethernet Port	<b>IP Security</b>	Supports up to 10 IP Addresses for Secured Access
<b>MAC Address</b>	8K MAC Address Table	<b>System Event Log</b>	Supports System Log Record and Remote System Log Server
<b>Packet Buffer</b>	1 Mbits	<b>Port Mirror</b>	TX, RX, or Both Packets
<b>Flash ROM</b>	4 Mbytes	<b>Port Security</b>	100 MAC Address Entries for Static MAC and 100 MAC Filters
<b>DRAM</b>	32 Mbytes	<b>Login Security</b>	IEEE 802.1x Authentication/RADIUS
<b>LED</b>	Unit: Master, Power, Power 1, Power 2, Fault 10/100 TX: Link/Activity, Full-Duplex/Collision Gigabit Copper: Link/Activity, Speed SFP: Link/Activity	<b>DHCP</b>	DHCP Client, DHCP Server Functions
<b>Interface</b>	10/100TX: 16 x RJ-45 10/100/1000T/Mini-GBIC Combo: 2*RJ-45 + 2*100/1000 SFP Sockets RS-232 Connector: RJ-45 type	<b>DNS</b>	DNS Client Feature and Primary & Secondary DNS Server
<b>Network Cable</b>	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)	<b>Bandwidth Control</b>	Supports Ingress and Egress packet limit Provides 1 Relay Output (1A @ 24VDC) for Port Breakdown and Power Fail
<b>Optical Cable</b>	LC (Multi-Mode): 50/125µm ~ 62.5/125µm LC (Single-Mode): 9/125µm ~ 10/125µm Available Distance: See SFP Specifications Wavelength: 1310nm (Multi-Mode and Single-Mode)	<b>Alarm</b>	Supports TFTP Firmware Update, Config. Backup & Restore
<b>Port Trunk with LACP</b>	LACP Port Trunk: 4 Trunk Groups / Maximum 4 Trunk Members	<b>Firmware Update</b>	Supports Binary Configuration File for Quick System Installation
<b>Redundant Ring</b>	Supports Redundant Ring, Dual Homing, and Couple Ring Redundant Backup Feature and Recovery Time < 20 ms	<b>Configuration Upload &amp; Download</b>	DC 12 ~ 48V, Redundant Power with Polarity Reverse Protect Function and Connective Removable Terminal Block
<b>Flow Control</b>	Flow Control for Full-Duplex and Back Pressure for Half-Duplex	<b>Power Supply</b>	DC 12 ~ 48V, Redundant Power with Polarity Reverse Protect Function and Connective Removable Terminal Block
		<b>Power Consumption</b>	11.5 Watts
		<b>Mechanical</b>	Casing: IP30 Metal Case, DIN-Rail/Wall Mountable Dimension (W x H x D): 72 x 152 x 105 mm (2.83 x 4.13 x 5.98 in.) Weight: 2.2 lbs. (Unit Weight), 3.3 lbs. (Shipping Weight)
		<b>Operation Temperature</b>	Standard: -10°C to 70°C (14°F to 158°F) Wide Operating Temperature: -40° to 80°C (-40° to 176°F)
		<b>Operation Humidity</b>	5% to 95% (Non-condensing)
		<b>Storage Temperature</b>	-40° to 85°C
		<b>EMI</b>	FCC Class A, CE EN6100-4-2,3,4,5,6,8,11,12, EN6100-6-2,4
		<b>Safety</b>	UL 60950-1, UL Class 1 Division 2, ISA 12.12.01
		<b>Stability Testing</b>	Shock: IEC60068-2-27 Free Fall: IEC60068-2-32 Vibration: IEC60068-2-6
		<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNX-1802GN</b>	18-Port Industrial Managed Ethernet Switch, w/16*10/100Tx + 2*GigE Combo Ports
<b>LNX-1802GN-T</b>	18-Port Industrial Managed Ethernet Switch, w/16*10/100Tx + 2*GigE Combo Ports; EOT: -40° to 80°C
<b>Optional Accessories</b>	
<b>SFP-M</b>	1 Gigabit Fiber SFP Transceiver, Multi-Mode 550M / LC / 850nm, 0° ~ 70°C
<b>SFP-S10</b>	1 Gigabit Fiber SFP Transceiver, Single Mode 10KM / LC / 1310nm, 0° ~ 70°C
<b>DR-45-24</b>	45 Watt Series Industrial Single Output DIN-Rail Power Supply - 24 VDC / 2.0 Amps
<b>DR-75-24</b>	75 Watt Industrial Single Output DIN-Rail Power Supply - 24 VDC / 3.2 Amps
<b>DR-120-24</b>	120 Watt Industrial Single Output DIN-Rail Power Supply - 24 VDC / 5.0 Amps

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