

LNx-1802GN Series

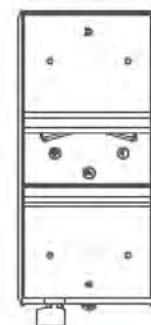
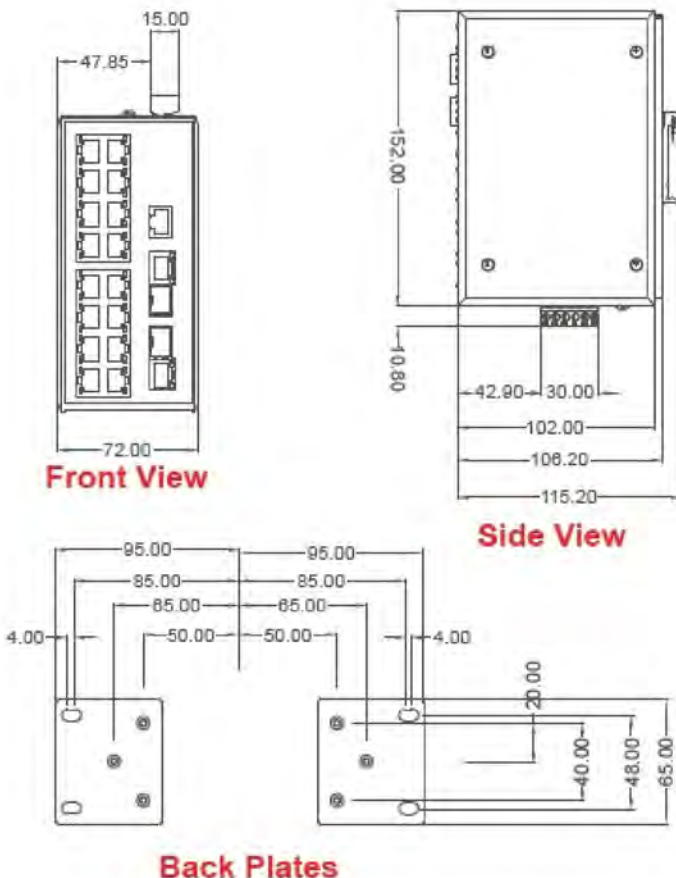
18-Port Industrial Managed Ethernet Switch,
w/16*10/100Tx and 2*GigE Combo Ports



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

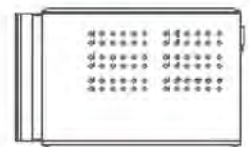
DIMENSIONS



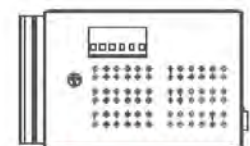
Back View



Side View



Bottom View



Top View

SPECIFICATIONS

Standards	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
Management	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)
Management	SNMP v1, v2c, v3, Web, Telnet, CLI Management
VLAN	Port Based, IEEE 802.1Q Tag VLAN (256 Entries) VLAN ID (Up to 4K, 0 to 4096), GVRP (256 Groups)
RFC Standard (SNMP MIB)	RFC1215 Trap, RFC1213 MIB II, RFC1157 SNMP MIB, RFC1493 Bridge MIB, RFC2674 VLAN MIB, RFC1643, RFC1757 RSTP MIB, Private MIB
SNMP Trap Protocol	Up to 3 Trap Stations
Switch Architecture	CSMA/CD
Transfer Rate	Back-Plane (Switching Fabric): 7.2Gbps
	Packet Throughput Ability (Full-Duplex): 10.7Mpps @ 64bytes
	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Fiber Ethernet Port
MAC Address	8K MAC Address Table
Packet Buffer	1 Mbits
Flash ROM	4 Mbytes
DRAM	32 Mbytes
LED	Unit: Master, Power, Power 1, Power 2, Fault
	10/100 TX: Link/Activity, Full-Duplex/Collision
Interface	Gigabit Copper: Link/Activity, Speed
	SFP: Link/Activity
Network Cable	10/100TX: 16 x RJ-45
	10/100/1000T/Mini-GBIC Combo: 2*RJ-45 + 2*100/1000 SFP Sockets
Optical Cable	RS-232 Connector: RJ-45 type
	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable
Port Trunk with LACP	EIA/TIA-568 100-ohm (100m)
	100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
Redundant Ring	LC (Multi-Mode): 50/125µm ~ 62.5/125µm
	LC (Single-Mode): 9/125µm ~ 10/125µm
Flow Control	Available Distance: See SFP Specifications
	Wavelength: 1310nm (Multi-Mode and Single-Mode)
Flow Control	LACP Port Trunk: 4 Trunk Groups / Maximum 4 Trunk Members
	Supports Redundant Ring, Dual Homing, and Couple Ring
Flow Control	Redundant Backup Feature and Recovery Time < 20 ms
	Flow Control for Full-Duplex and Back Pressure for Half-Duplex

Class of Service (IEEE 802.1p)	Provides 4 priority queues per port
Quality of Service	Port, Tag, IPv4 Type of Service, IPv4 / IPv6 Different Service
IGMP	IGMP v1, v2, and Query Mode. Up to 256 Groups
Spanning Tree	IEEE 802.1d Spanning Tree IEEE 802.1w Rapid Spanning Tree
SNTP	Supports Simple Network Time Protocol
SMTP	Supports Simple Mail Transfer Protocol (6 email Accounts for Alerts)
IP Security	Supports up to 10 IP Addresses for Secured Access
System Event Log	Supports System Log Record and Remote System Log Server
Port Mirror	TX, RX, or Both Packets
Port Security	100 MAC Address Entries for Static MAC and 100 MAC Filters
Login Security	IEEE 802.1x Authentication/RADIUS
DHCP	DHCP Client, DHCP Server Functions
DNS	DNS Client Feature and Primary & Secondary DNS Server
Bandwidth Control	Supports Ingress and Egress packet limit
Alarm	Provides 1 Relay Output (1A @ 24VDC) for Port Breakdown and Power Fail
Firmware Update	Supports TFTP Firmware Update, Config. Backup & Restore
Configuration Upload & Download	Supports Binary Configuration File for Quick System Installation
Power Supply	DC 12 ~ 48V, Redundant Power with Polarity Reverse Protect Function and Connective Removable Terminal Block
Power Consumption	11.5 Watts
Mechanical	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)
Operation Temperature	Standard: -10°C to 70°C (14°F to 158°F) Wide Operating Temperature: -40° to 80°C (-40° to 176°F)
Operation Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40° to 85°C
EMI	FCC Class A, CE EN6100-4-2,3,4,5,6,8,11,12, EN6100-6-2,4
Safety	UL 60950-1, UL Class 1 Division 2, ISA 12.12.01
Stability Testing	Shock: IEC60068-2-27
	Free Fall: IEC60068-2-32
Warranty	Vibration: IEC60068-2-6 5 Years

ORDERING INFO

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