

LNX-1802GN Series

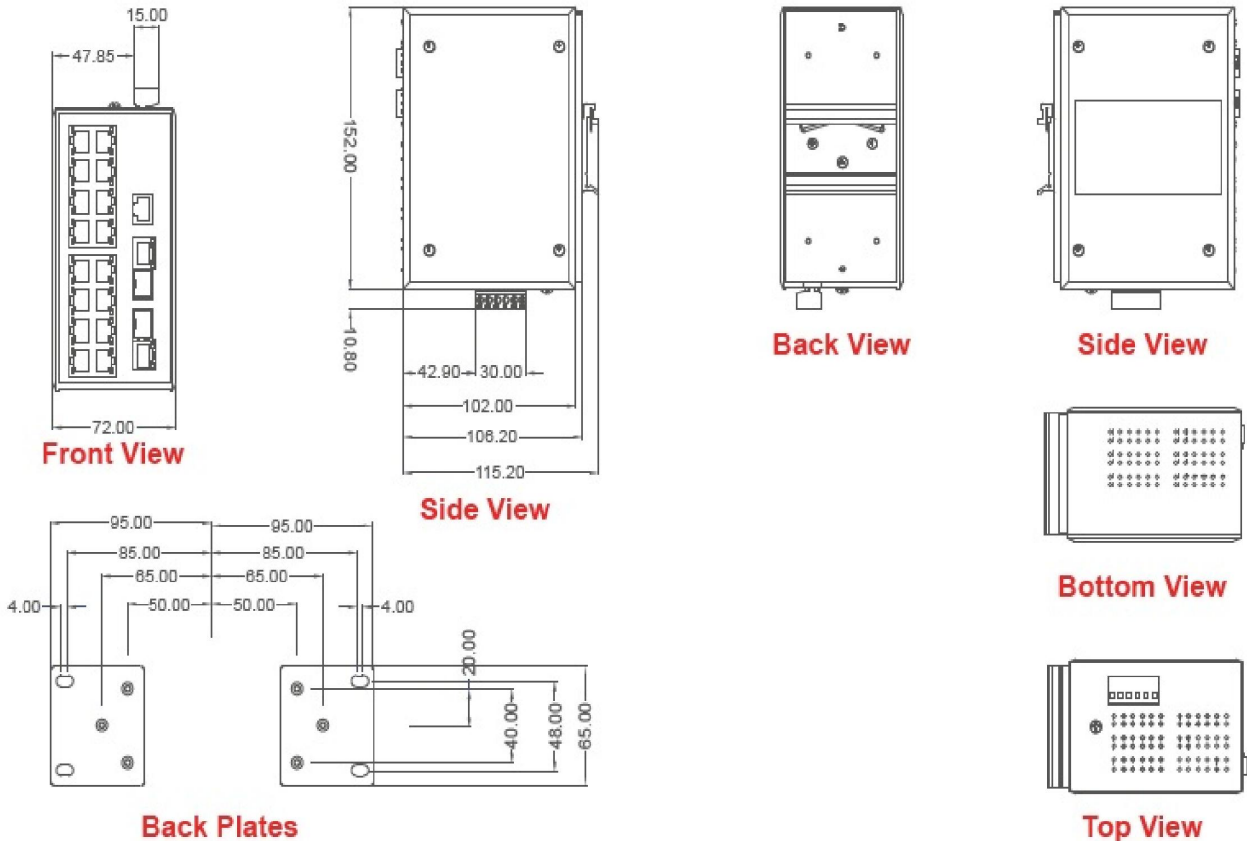
18-Port Industrial Managed Ethernet Switch, w/16*10/100Tx and 2*GigE Combo Ports



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

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 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 CSMA/CD
Switch Architecture	Back-Plane (Switching Fabric): 7.2Gbps Packet Throughput Ability (Full-Duplex): 10.7Mpps @ 64bytes
Transfer Rate	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 Gigabit Copper: Link/Activity, Speed SFP: Link/Activity
Interface	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
Network Cable	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)
Optical Cable	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)
Port Trunk with LACP	LACP Port Trunk: 4 Trunk Groups / Maximum 4 Trunk Members
Redundant Ring	Supports Redundant Ring, Dual Homing, and Couple Ring Redundant Backup Feature and Recovery Time < 20 ms
Flow Control	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
SMTTP	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 DHCP	IEEE 802.1x Authentication/RADIUS DHCP Client, DHCP Server Functions
DNS	DNS Client Feature and Primary & Secondary DNS Server
Bandwidth Control	Supports Ingress and Egress packet limit Provides 1 Relay Output (1A @ 24VDC) for Port Breakdown and Power Fail
Alarm	Supports TFTP Firmware Update, Config. Backup & Restore
Firmware Update	Supports Binary Configuration File for Quick System Installation
Configuration Upload & Download	DC 12 ~ 48V, Redundant Power with Polarity Reverse Protect Function and Connective Removable Terminal Block
Power Supply	11.5 Watts
Power Consumption	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)
Mechanical	Standard: -10°C to 70°C (14°F to 158°F) Wide Operating Temperature: -40° to 80°C (-40° to 176°F)
Operation Temperature	5% to 95% (Non-condensing)
Operation Humidity	-40° to 85°C
Storage Temperature	FCC Class A, CE EN6100-4-2,3,4,5,6,8,11,12, EN6100-6-2,4
EMI	UL 60950-1, UL Class 1 Division 2, ISA 12.12.01
Safety	Shock: IEC60068-2-27 Free Fall: IEC60068-2-32 Vibration: IEC60068-2-6
Stability Testing	5 Years
Warranty	

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

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