

LNX-1802GN Series

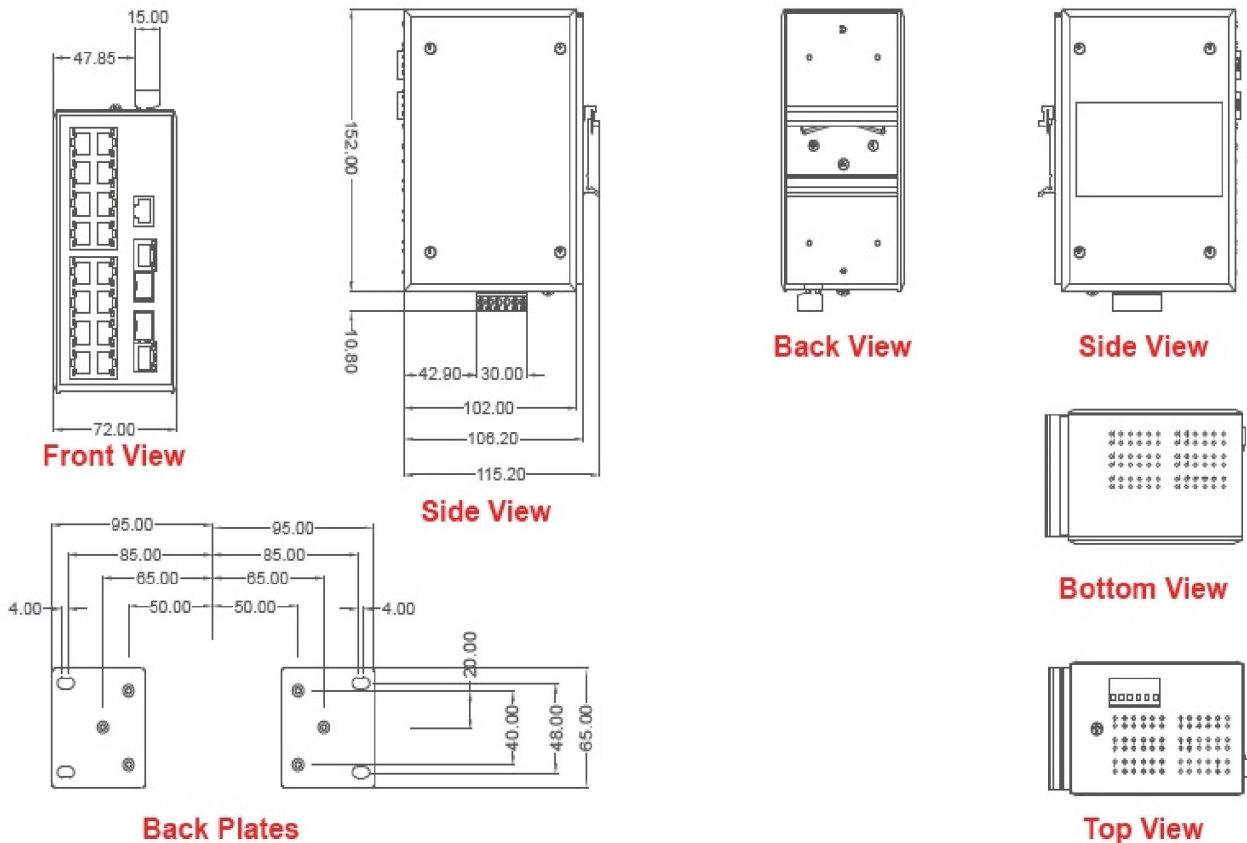
18-Port Industrial Managed Ethernet Switch,
w/16*10/100Tx and 2*GigE Combo Ports



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
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)
VLAN	SNMP v1, v2c, v3, Web, Telnet, CLI Management
RFC Standard (SNMP MIB)	Port Based, IEEE 802.1Q Tag VLAN (256 Entries)
	VLAN ID (Up to 4K, 0 to 4096), GVRP (256 Groups)
	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
	Back-Plane (Switching Fabric): 7.2Gbps
Transfer Rate	Packet Throughput Ability (Full-Duplex): 10.7Mpps @ 64bytes
	14,880pps for Ethernet Port
MAC Address	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Fiber Ethernet Port
Packet Buffer	8K MAC Address Table
Flash ROM	1 Mbits
DRAM	4 Mbytes
LED	32 Mbytes
	Unit: Master, Power, Power 1, Power 2, Fault
Interface	10/100 TX: Link/Activity, Full-Duplex/Collision
	Gigabit Copper: Link/Activity, Speed
Network Cable	SFP: Link/Activity
	10/100TX: 16 x RJ-45
Optical Cable	10/100/1000T/Mini-GBIC Combo: 2*RJ-45 + 2*100/1000 SFP Sockets
	RS-232 Connector: RJ-45 type
Port Trunk with LACP	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable
	EIA/TIA-568 100-ohm (100m)
Redundant Ring	100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
	LC (Multi-Mode): 50/125µm ~ 62.5/125µm
Flow Control	LC (Single-Mode): 9/125µm ~ 10/125µm
	Available Distance: See SFP Specifications
Warranty	Wavelength: 1310nm (Multi-Mode and Single-Mode)
	LACP Port Trunk: 4 Trunk Groups / Maximum 4 Trunk Members
Optional Accessories	Supports Redundant Ring, Dual Homing, and Couple Ring
	Redundant Backup Feature and Recovery Time < 20 ms
Power Supply	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
SNTP	IEEE 802.1w Rapid Spanning Tree
SMTP	Supports Simple Network Time Protocol
IP Security	Supports Simple Mail Transfer Protocol (6 email Accounts for Alerts)
System Event Log	Supports up to 10 IP Addresses for Secured Access
Port Mirror	Supports System Log Record and Remote System Log Server
Port Security	TX, RX, or Both Packets
Login Security	100 MAC Address Entries for Static MAC and 100 MAC Filters
DHCP	IEEE 802.1x Authentication/RADIUS
DNS	DHCP Client, DHCP Server Functions
Bandwidth Control	DNS Client Feature and Primary & Secondary DNS Server
Alarm	Supports Ingress and Egress packet limit
Firmware Update	Provides 1 Relay Output (1A @ 24VDC) for Port Breakdown and Power Fail
Configuration Upload & Download	Supports TFTP Firmware Update, Config. Backup & Restore
Power Supply	Supports Binary Configuration File for Quick System Installation
Power Consumption	DC 12 ~ 48V, Redundant Power with Polarity Reverse Protect Function and Connective Removable Terminal Block
Mechanical	11.5 Watts
Operation Temperature	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.)
Operation Humidity	Weight: 2.2 lbs. (Unit Weight), 3.3 lbs. (Shipping Weight)
	Standard: -10°C to 70°C (14°F to 158°F)
Storage Temperature	Wide Operating Temperature: -40° to 80°C (-40° to 176°F)
EMI	5% to 95% (Non-condensing)
Safety	-40° to 85°C
Stability Testing	FCC Class A, CE
Warranty	EN6100-4-2,3,4,5,6,8,11,12, EN6100-6-2,4
	UL 60950-1, UL Class 1 Division 2, ISA 12.12.01
Optional Accessories	Shock: IEC60068-2-27
	Free Fall: IEC60068-2-32
Power Supply	Vibration: IEC60068-2-6

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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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660