



## SPECIFICATIONS

| Technology                 |   |
|----------------------------|---|
| Standards                  | IEEE 802.3 10Base-T Ethernet<br>IEEE 802.3u 100Base-TX Fast Ethernet<br>IEEE 802.3ab 1000BaseT  |
| Processing Type            | Store and Forward   |
| Protocol                   | CSMA/CD   |
| Flow Control               | IEEE 802.3x back pressure flow control  |
| Switch Properties          |   |
| Switch Architecture        | Back-Plane: Non-Blocking Switching Fabric   |
| Transfer Rate              | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port<br>1,488,000pps for Gigabit Ethernet Port  |
| Memory Buffer              | 512Kbytes   |
| Jumbo Frame                | 9,216bytes  |
| MAC Table Size             | 8K  |
| Interface                  |   |
| Ethernet Port              | 16*10/100/1000T(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection  |
| LED Indicators             | Power 1, Power 2, Fault<br>Ethernet Ports: On- Link / Flashing- Data transmitting   |
| Network Cable              | 10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>100BaseTX: 2-pair UTP/STP Cat. 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>1000BaseTX: UTP/STP Cat.5/5E cable;<br>EIA/TIA-568 100-ohm (100m) |
| Mechanical Characteristics |   |
| Housing                    | Aluminum and Metal, IP30 protection   |
| Dimensions                 | 67 x 142 x 99 mm (W x H x D)  |
| Weight                     | Unit: 2.65 lbs.<br>Shipping: 3.09 lbs.  |
| Mounting                   | DIN-Rail, Wall Mounting (optional)  |

| Power Requirement           |   |
|-----------------------------|---|
| Input Voltage               | 12 to 48VDC, Redundant Inputs   |
| Power Connection            | 1 removable 6-contact terminal block  |
| Reverse Polarity Protection | Present   |
| Overload Current Protection | Present   |
| Power Consumption           | 12Watts   |
| Relay Contact               | 24VDC, 1A resistive   |
| Environmental Limits        |   |
| Operating Temperature       | STD: -10°C to 65°C<br>EOT: -40°C to 75°C  |
| Storage Temperature         | -40°C to 85°C   |
| Ambient Relative Humidity   | 5% to 95%, (non-condensing)   |
| Regulatory Approvals        |   |
| EMI                         | FCC Part 15 Subpart B Class A,<br>CE EN 55032 Class A,<br>EN 61000-6-4 Class A  |
| EMS                         | CE EN 55024 Class A,<br>EN 61000-6-2 Class A,<br>IEC61000-4-2 (ESD),<br>IEC61000-4-3 (RS),<br>IEC61000-4-4 (EFT),<br>IEC61000-4-5 (Surge),<br>IEC61000-4-6 (CS),<br>IEC61000-4-8 (Magnetic Field) |
| Free Fall                   | IEC60068-2-32   |
| Shock                       | IEC60068-2-27   |
| Vibration                   | IEC60068-2-6  |
| Green                       | RoHS Compliant  |
| Certifications              | UL 61010-1 (Pending),<br>UL 61010-2-201 (Pending)   |
| Warranty                    | 5 Years   |

## ORDERING INFO

|             |   |
|-------------|---|
| LNX-1600G   | 16-Port Industrial Gigabit Unmanaged Ethernet Switch, with 16*10/100/1000Tx                     |
| LNX-1600G-T | 16-Port Industrial Gigabit Unmanaged Ethernet Switch, with 16*10/100/1000Tx; EOT: -40°C to 75°C |

### Optional Accessories

|           |   |
|-----------|---|
| HDR-30-24 | 30W Industrial DIN-Rail Power Supply, 24VDC |
| HDR-60-24 | 60W Industrial DIN-Rail Power Supply, 24VDC |
| EDR-75-48 | 75W Industrial DIN-Rail Power Supply, 48VDC |