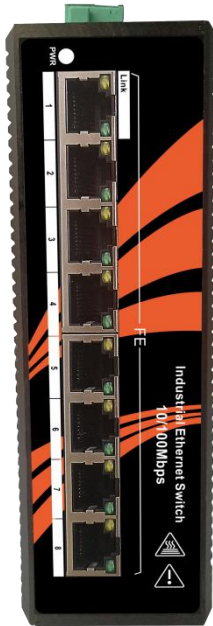


### FEATURES



- 8 Port 10/100Mbps Ethernet RJ45
- Automatic MAC address learning and aging
- 10/100Mbps Auto-negotiation, Auto-MDI-MDI-X
- LED indicators for monitoring Power/link/activity
- Supports 10/100Mbps-Full/Half-duplex
- Supports Wall-mount, DIN-Rail installation
- Supports Daisy-Chain connection
- Transmission data max. Support: 1518 bytes
- Supports Broadcast Storm Control
- Supports Relay output for power failure
- Super lightning protection, IP40 protection
- Excellent heat elimination without cooling fan
- Redundant dual DC power inputs
- Harsh industrial environment or higher requirement
- -40°C-85°C operating temperature range
- 3-Year Warranty

Newbridge® ND-X820-08TX Industrial Ethernet Switches, 8 Port 10/100Mbps Ethernet ports ,for connecting with devices like computer, switch, hub, server, etc, as well as powering network camera, industrial VoIP phone, wireless AP and other devices.

Specially designed for harsh outdoor applications. Its 6KV network port surge protection can adapt to harsh outdoor environment and ensure the reliability of the uninterrupted PoE system. Power input also chooses industry-standard types of power

### Specifications

|                           |  |
|---------------------------|--|
| Product Name              | 8 Port 10/100Base-TX Industrial Ethernet Switch  |
| Product Model             | ND-X820-08TX   |
| Interface                 | 8x10/100Base-T Ethernet port   |
| Network Protocols         | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;IEEE802.3u;100Base-TX/FX;<br>IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x;  |
| Network Media             | 10BASE-T: Cat3,4,5 UTP(≤100 meter)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>1000BASE-TX: Cat6 or later UTP(≤100 meter)  |
| Performance Specification | Bandwidth: 1.6Gbps<br>Packet Buffer Memory:1M<br>10 Mbps Packet Forwarding Rate: 14880 pps/port<br>100Mbps Packet Forwarding Rate:148800 pps/port<br>MAC Address Table: 4K |
| Forwarding Mode           | Store-and-Forward  |

# DIN-Rail Umanaged Industrial Ethernet Switch

ND-X820-08TX



|                     |   |
|---------------------|---|
| Protection          | Lightning protection, IP40 protection   |
| LED Indicators      | Power: PWR; Link; Link/Act  |
| Power Supply        | Input Power: 12~48VDC (Terminal Block)<br>Input Power:2* 12~48VDC(Dual power redundancy backup)<br>Power Consumption : <5W<br>Connectors: Phoenix terminal<br>Overload protection:20A<br>Reverse polarity protection: 30s<br>Alarm contact : No   |
| Working Environment | Working temperature: -40~85℃ ;<br>Storage temperature: -45~85℃<br>Relative Humidity: 5%~95 % ( no condensation)   |
| Industry Standard   | FCC CFR47 Part 15,EN55022/CISPR22,<br>Class A EMS:<br>IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)<br>IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV<br>IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM;<br>Data Port: ±2kV IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)<br>IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)<br>IEC (EN) 61000-4-8: support<br>IEC 60068-2-27(Shock):support<br>IEC 60068-2-32(Freefall):support<br>IEC 60068-2-6(Vibration) : support |
| Shell               | IP40 protect grade, metal shell   |
| Installation        | DIN-Rail or Wall mounts   |
| Packing List        | 1×Industrial Ethernet Switch (plus terminal block)<br>1×User Manual/Certificate of quality/Warranty card<br>1×DIN-Rail mounting kit   |
| Certification       | CE mark,FCC Part 15 Class B; RoHs   |
| MTBF                | 300,000 hours   |
| Weight & Size       | Product Weight: 0.6KG<br>Product size (L×W×H): 157mm× 120mm× 48mm   |
| Warranty            | 3-years   |

## Order Information

| Part No      | Description of product  | Unit |
|--------------|---|------|
| ND-X820-08TX | 8*10/100 Base-Tx Non-managed Ethernet Switches ,Industrial , aluminum alloy, DIN Rail, DC12~48V power supply ,Wide temperature (-40℃-85℃),CE-FCC-RoHS - DC power supply is not included by default. | pc   |