



### FEATURES

- 5 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-X820-05TX Industrial Ethernet Switches, 5 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	5 Port 10/100Base-TX Industrial Ethernet Switch
Product Model	ND-X820-05TX
Interface	5x10/100Base-T Ethernet port
Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;IEEE802.3u;100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x;
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-TX: Cat6 or later UTP(≤100 meter)
Performance Specification	Bandwidth: 1Gbps Packet Buffer Memory:1M 10 Mbps Packet Forwarding Rate: 14880 pps/port 100Mbps Packet Forwarding Rate:148800 pps/port MAC Address Table: 4K
Forwarding Mode	Store-and-Forward

Protection	Lightning protection, IP40 protection
LED Indicators	Power: PWR; Link; Link/Act
Power Supply	Input Power: 12~48VDC (Terminal Block) Input Power:2* 12~48VDC(Dual power redundancy backup) Power Consumption : <5W Connectors: Phoenix terminal Overload protection:20A Reverse polarity protection: 30s Alarm contact : No
Working Environment	Working temperature: -40~85℃ ; Storage temperature: -45~85℃ Relative Humidity: 5%~95 % ( no condensation)
Industry Standard	FCC CFR47 Part 15,EN55022/CISPR22, Class A EMS: IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz-2GHz) IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s) IEC (EN) 61000-4-8: support IEC 60068-2-27(Shock):support IEC 60068-2-32(Freefall):support 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) 1×User Manual/Certificate of quality/Warranty card 1×DIN-Rail mounting kit
Certification	CE mark,FCC Part 15 Class B; RoHs
MTBF	300,000 hours
Weight & Size	Product Weight: 0.36KG Product size (L×W×H): 118mm× 86mm× 39mm
Warranty	3-years

### Order Information

Part No	Description of product	Unit
ND-X820-05TX	5*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