**FEATURES**

## 1\* 10/100/1000Base-T(X) electrical ports conforming to IEEE 802.3af/at PoE standard, and 1 1000Base-SX/LX/LH/ZX optical port.

## Support full-duplex and half-duplex auto-negotiation.

## Comply with IEEE802.3/802.3U/802.3x store and forward mode.

## The electrical port supports IEEE802.3at/af standard PoE power supply function

## Wide temperature working range -40℃~+85℃.

## Industrial grade design, no fan, no cooling hole.

## IP40 enclosure protection grade,

## Meets industrial level 4 electromagnetic compatibility requirements

## Redundant dual power input

## Rail or wall mount

Newbridge®ND-X920-1FX1TX Industrial Ethernet Switches uses store-forward architecture, fanless and energy-saving design. The advantage of product are small, convenient and easy to maintain. The product design complies with the Ethernet standard, adding lightning protection, anti-static protection measures. It applies to the wide range of operating temperature from -40℃ ~ +85℃ with stable and reliable performance. The device can be widely applied to various broadband data transmission fields such as intelligent transportation, telecommunications, security, financial securities, customs, shipping, power, water conservancy and oil fields.

Specifications

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| Product Name | 1 Port 10/100/1000Mbps Industrial Media Converter |
| Product Model | ND-X920-1FX1TX |
| Interface | 1x10/100/1000Base-T Ethernet port + 1x 1000Mbps Optical port |
| Network Protocols | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;IEEE802.3u;100Base-TX/FX; IEEE802.3ab 100Base-T; IEEE802.3z 100Base-X; IEEE802.3x; |
| Network Media | 10BASE-T: Cat3,4,5 UTP(≤100 meter)100BASE-TX: Cat5 or later UTP(≤100 meter) |
| Fiber Media | Multi-mode: 2KMSingle-mode: 20/40/60/80KMInterface:SC/SFP |
| Performance Specification | Bandwidth: 4GbpsPacket Buffer Memory:1M10 Mbps Packet Forwarding Rate：14880 pps/port100Mbps Packet Forwarfding Rate:148800 pps/port1000Mbps Packet Forwarfding Rate:1488000 pps/portMAC Address Table: 8KForwarding Delay:<4us |
| Forwarding Mode | Store-and-Forward |
| Protection | 6KV Lightening protection, IP40 protection |
| LED Indicators | Power: PWR; Link; PoE; Link/Act |
| Power Supply | Input Power: 12~48VDC (Terminal Block)Input Power:2\* 12~48VDC(Dual power redundancy backup)Working Consumption : <5WConnectors : Phoenix terminalOverload protection :20AReverse polarity protection : 30sAlarm contact : No |

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| **Other Specifications** |
| 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: IEC6100-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC6100-4-3 (RS): 10V/m (80MHz-2GHz)IEC6100-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kVIEC6100-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV IEC6100-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)IEC6100-4-16 (Common mode conduction): 30V (cont.), 300V (1s)IEC (EN) 61000-4-8：supportIEC 60068-2-27(Shock):supportIEC 60068-2-32(Freefall):supportIEC 60068-2-6(Vibration）：support |
| Shell | IP40 protect grade, metal shell |
| Installation | DIN-Rail or Wall mounts |
| Packing List | 1×Industrial PoE Switch (plus terminal block)1×User Manual/Certificate of quality/Warranty card1×DIN-Rail mounting kit |
| Certification | CE mark, commercial;FCC Part 15 Class B;VCCI Class BEN 55022 (CISPR 22), Class B |
| MTBF | 300,000 hours |
| Weight & Size | Product Weight: 0.36KG Product size (L×W×H): 118mm× 86mm× 39mm |
| Warranty | 3-years |

Application



Order Information

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| **Part No** | **Description of product** | **Unit** |
| ND-X920-1FX1TX |  1\*10/100/1000 Base-Tx Non-managed Fiber Switch,1\*1000M SFP Slot ,Industrial , aluminum alloy, DIN Rail, DC12~48V power supply ,Wide temperature (-40°C-85°C),CE-FCC-RoHS - DC power supply is not included by default. | pc |