

4N-101SFP-40A

SFP port 10/100/1000M Media Converter



4KV LIGHTING
PROTECTION

Product Overview

4N-101SFP-40A series is a 10/100/1000M fiber media converter independently developed by 4NSYS. It has 1* 10/100/1000Base-T port and 1* 1000Base-X uplink SFP fiber port, User can select different optical modules, such as multimode dual fiber, single-mode dual fiber, and single-mode single fiber.

The media converter adopts the enterprise-class Taiwan Realtek company's carrier-grade chip solution, which has stable performance, good quality and high cost performance. It is suitable for optical fiber access application scenarios such as security monitoring, wireless coverage, intelligent transportation, and safe cities to form a cost-effective and stable communication network.

Unmanaged model, plug and play, no configuration, easy to use.

Feature

The 4N-101SFP-40A is a media converter designed to convert between 1000BASE-X fiber and 10/100/1000Base-T copper media. It easily extends the distance of an existing gigabit network via fiber optic links when integrated with the appropriate SFP module. The 4N-101SFP-40A complies with IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-FX/X standards for use with multi-mode and single-mode SFP modules. To enhance network reliability and maintenance efficiency, the device supports Link Fault Signaling (LFS), which enables fault detection and link status notification between fiber and copper interfaces. It also features a Loop-back Testing function, allowing administrators to diagnose and troubleshoot network issues more effectively.

The 4N-101SFP-40A offers flexible installation on standalone desktops or when inserted into a chassis (4N-2U12, 4N-2U14). Its durable housing, constructed from high-quality Aluminum, provides excellent heat dissipation and long-term reliability. The easy-to-view front panel status LEDs provide real-time status information to monitor up-to-the-minute network activity, while the maximum transmission distance of the fiber optic link depends on the SFP module installed.

| Model | 4N-101SFP-40A | |
|--|---|--|
| Interface Characteristics | | |
| Fixed Port | 1* 10/100/1000Base-T RJ45 port 1* 1000Base-FX uplink SFP fiber port | |
| Ethernet Port | 10/100/1000Base-T full duplex ,Auto MDI/MDI-X, Negotiation self-adaption | |
| Twisted Pair Transmission | 10BASE-T: Cat3,4,5 UTP(\leq 100 meter) 100BASE-T: Cat5e or later UTP(\leq 100 meter) 1000BASE-T : Cat5e or later UTP(\leq 100 meter) | |
| Optical Port | Gigabit SFP optical fiber interface, default not include optical modules (optional single-mode / multi-mode, single fiber / dual fiber optical module. LC) | |
| Wavelength/Distance | multimode: 850nm 0~550M,1310nm 0~2KM single mode: 1310nm 0~40KM , 1550nm 0~120KM | |
| Chip Parameter | | |
| Network Protocol | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX, IEEE802.3x IEEE802.3ab 1000Base-T ; IEEE802.3z 1000Base-X ; | |
| Forwarding Mode | Store and Forward(Full Wire Speed) | |
| Switching Capacity | 4Gbps | |
| Packet Buffer Size | 512 Kbps | |
| MAC | 2K | |
| LED Indicator | Fiber | FX(green) |
| | rate | SD/SPD1 (green) SPD2: 100/ 1000 (green) |
| | Data | TP (green) |
| | Single / duplex | FDX (green) |
| | Power | PWR (green) |
| Power | | |
| Working Voltage | AC:100-240V | |
| Power Consumption | Standby<1W, Full load<5W | |
| Power Supply | DC:5V/2A industrial power supply | |
| Lightning protection &Certification | | |
| Lightning protection | Lightning protection: 4KV 8/20us, Protection level: IP30 | |
| Certification | CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class A; RoHS | |
| Physical Parameter | | |
| Operation TEMP | -20~+55°C;5%~90% RH Non condensing | |
| Storage TEMP | -20~+75°C;5%~95% RH Non condensing | |
| Dimension (L*W*H) | 94mm* 71mm*27mm | |
| Installation | Desktop, 4N-2U12 , 4N-2U14 slot rack | |



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