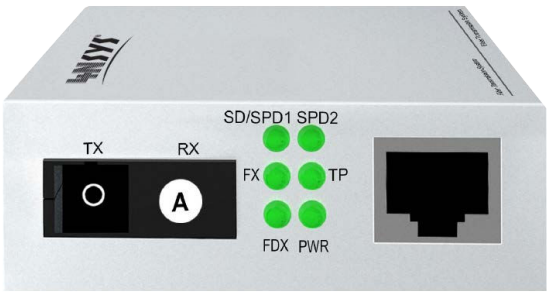
4N-101GSW-20A

2-port 10/100/1000M WDM Media Converter （Single-mode Single-fiber SC）



4KV LIGHTING PROTECTION

Product Overview

4N-101GSW-20A series is a 10/ 100/ 1000M fiber media converter independently developed by 4NSYS . It has 1* 10/ 100/ 1000Base-T port and 1* 1000Base-FX uplink SC 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 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.

Key Features

- 4N-101GSW-20A is a gigabit media converter, providing a gigabit RJ-45 port and a gigabit SC fiber port, which can convert between electrical and optical signals.
- 4N-101GSW-20A adopts WDM (wavelength division multiplexing) technology, helping send and receive data at a distance of up to 20 km with only a single mode fiber, which saves half of the cable deployment cost for customers. 4N-101GSW-20A transmits data at 1310 nm wavelength and receives data at 1550 nm wavelength on optical fiber. Therefore, the terminal device used in conjunction with the 4N-101GSW-20A should send data at a wavelength of 1550 nm and receive data at a wavelength of 1310 nm. 4NSYS another media converter 4N-101GSW-20B is one of the products that can cooperate with 4N-101GSW-20A
- Besides, this media converter can be used as a standalone device (no rack required) or used with 4N SYS 4N-2U14 rack (Media Converter Chassis) for auto MDI/MDI-X in TX port in which duplex mode is automaticallynegotiation.

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Model	4N-101GSW-20A	
Interface Characteristics		
Fixed Port	1* 10/100/1000Base-T RJ45 port 1* 1000Base-X uplink SC fiber port	
Ethernet Port	10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-T: Cat5e or later UTP(≤100 meter) 1000BASE-T ： Cat5e or later UTP(≤100 meter)	
Optical Port	Default optical module is single-mode single-fiber 20km, SC port	
Wavelength/Distance	A-end: RX1310nm / RX1550nm 0 ~ 20KM B-end：RX1550nm/ RX1310nm 0 ~ 20KM A-end: RX1490nm / RX1550nm 0 ~ 120KM B-end：RX1550nm/ RX1490nm 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	
Buffer Memory	3Mpps	
MAC	2K	
LED Indicator	Fiber	FX(green)
	rate	SD/SPD1 (green) SPD2: 100/ 1000 (green)
	Data	TX/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 B; 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-2U14 slot rack	