

NS-200SX

Giga Ethernet to 1000 Base-SX Fiber Converter

NS-200LX

Giga Ethernet to 1000 Base-LX Fiber Converter



Features ▶▶▶

- Provides 1 x 1000 Mbps fiber port with SC type connector for 1000 Base-SX/LX device
- Supports wide operating temperatures from -30 °C ~ +75 °C (NS-200SX-T/NS-200LX-T)
- Supports Jumbo Frames 9K bytes
- Provides Link Fault Pass-through (LFP)
- Supports redundant +12 V_{DC} ~ +48 V_{DC} power input

Introduction

NS-200SX/LX is an enhanced gigabit Ethernet to fiber optic converter. Aside from its standard features, the versatile NS-200SX/LX also has the LFP (Link Fault Pass-through) feature. When one side of the link fails, the other side continues transmitting packets, and waiting for a response that never arrives from the disconnected side. NS-200SX/LX will force the link to shut down as soon as noticed that the other link has failed, giving the application software a chance to react to the situation.

Specifications

Models	NS-200SX	NS-200SX-T	NS-200LX	NS-200LX-T
Interface				
RJ-45 Port	10/100/1000 Base-T(X) auto negotiation speed and auto MDI/MDI-X connection			
Fiber Port	Multi-mode: Up to 550 m; Single-mode: Up to 10 km			
LED Indicators	PWR1, PWR2, P-Fail, Link/Act, 1000M			
Optical Fiber	62.5/125 μm (Multi-mode)		10/125 μm (Signal Mode)	
Distance	0.5 km		10 km	
Wavelength	850 nm		1310 nm	
Min. TX Output	-9.4 dBm		-9.4 dBm	
Max. TX Output	-4 dBm		-3 dBm	
Max. RX Sensitivity	-17 dBm		-20 dBm	
Min. RX Overload	-3 dBm		-3 dBm	
Power				
Input Voltage Range	+12 V _{DC} ~ +48 V _{DC} (Non-isolated)			
Power Consumption	0.24 A @ 24 V _{DC}			
Mechanical				
Dimensions (W x L x H)	33 mm x 85 mm x 107 mm			
Installation	DIN-Rail Mounting			
Environmental				
Operating Temperature	-10 °C ~ +70 °C	-30 °C ~ +75 °C	-10 °C ~ +70 °C	-30 °C ~ +75 °C
Storage Temperature	-40 °C ~ +85 °C			
Ambient Relative Humidity	10% ~ 90% RH, non-condensing			

Ordering Information

NS-200SX CR	Industrial 1000 Base-T to 1000 Base-SX Fiber Converter, Multi-mode 850 nm, 0.5 km, SC connector (RoHS)	NS-200LX CR	Industrial 1000 Base-T to 1000 Base-LX Fiber Converter, Single-mode 1310 nm, 10 km, SC connector (RoHS)
NS-200SX-T CR	NS-200SX w/Wide Temperature (-30 °C ~ +75 °C)	NS-200LX-T CR	NS-200LX w/Wide Temperature (-30 °C ~ +75 °C)