

NS-200WDM Series



Industrial Single-Strand 10/100 Base-TX to 100 Base-FX Media Converter

Highlight Information ▶▶▶



















Introduction

Using the fiber optic medium for ethernet applications has become more popular due to fiber optic's excellent physical features, especially for long distance networks. However, fiber optic cable is very expensive, so if we can apply a solution that uses only 1 cable instead of 2, the infrastructure cost can be cut in half. The NS-200WDM Series provides a solution that reduces your expense by 50%!

The NS-200WDM Series of Single-Strand Fiber Converters supports Wavelength Division Multiplexing (WDM) technology that allows two independent data communication channels to transmit and receive over one standard, single mode, fiber optic line. This not only doubles your existing bandwidth, but also effectively reduces the cost of creating a new fiber optic infrastructure.

50% Cost Saving for Fiber Optic Infrastructures

With a pair of NS-200WDM series products (NS-200WDM-A and NS-200WDM-B), you can double the utilization of your existing, costly fiber optic cable, and save 50% of the cost of a newly installed fiber optic application.

It contains "soft start" function with overload protection, high-low voltage protection.

The width of the NS-200WDM is just 33 mm, so it can be used where space is important.

Features

- Automatic MDI/MDI-X crossover for plug-and-play
- Supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure
- 1.4 Gbps high performance memory bandwidth
- Integrated look-up engine with dedicated 1024 unicast MAC addresses
- Supports +12 V_{DC} ~ +48 V_{DC}
- Reverse Polarity Protection
- Supports operating temperatures from 0 °C ~ +70 °C
- DIN-Rail

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Specifications

Standards IEEE 802.3, 802.3u, 802.3x Processing Type Store & forward, wire speed switching MAC Addresses 1024 Memory Bandwidth 1.4 Gbps Frame Buffer Memory 256 Kbit Flow Control IEEE 802.3x flow control, back pressure flow control Interface Interface R3-45 Port 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection Filber Port 100 Base-FK (Single Mode; SC Connector) LED Indicators 10/100M, Link/Act, Full duplex/Half duplex (Fiber Port) LED Indicators 1500 V _{ms} 1 minute Frame Ground for EMS Protection Yes Single Mode Fiber Cables: 8.3/125, 8.7/125, 9/125 or 10/125 μm Distance: 15 km, (9/125 μm recommended) for full duplex Wavelength: Wavelength: Tx: 1310, Rx: 1550, Rx: 1310 nm for NS-200WDM-A Tx: 1550, Rx: 1310 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -8 dBm RX Sensitivity: -31 dBm Ethernet Transmission Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Fast Ethernet: 3 - Power reverse polarity protection Power Consumption 0.12 A @ 24 Vxc, +/-5% arrowed with 100M Full duplex LED Indicator Yes Power reverse polarity protection Frame Ground for EMS Protection Yes Power reverse polarity protection Frame Ground for EMS Protection Yes Power reverse polarity protection Frame Ground for EMS Protection Yes Power reverse polarity protection Frame Ground for EMS Protection Yes Power reverse polarity protection Frame Ground for EMS Protection Yes Power reverse polarity protection Frame Ground for EMS Protection Yes Power reverse polarity protection Frame Ground for EMS Protection Yes Power reverse polarity protection Yes Power reverse polarity protection Yes Power reverse polarity protection Yes Power re	Technology	
MAC Addresses 1024 Memory Bandwidth 1.4 Gbps Frame Buffer Memory 256 Kbit Flow Control IEEE 802.3x flow control, back pressure flow control Interface 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection Fiber Port 100 Base-FX (Single Mode; SC Connector) LED Indicators 10/100M, Link/Act, Full duplex/Half duplex (Fiber Port) Ethernet Isolation 1500 V _{ms} 1 minute Frame Ground for EMS Protection Yes Single Mode Fiber Cables: 8.3/125, 8.7/125, 9/125 or 10/125 μm Distance: 15 km, (9/125 μm recommended) for full duplex Wavelength: TX: 1310, RX: 1550 nm for NS-200WDM-A TX: 1310, RX: 1550 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -8 dBm RX Sensitivity: -31 dBm Ethernet Transmission Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 Ω Distance Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Protection Power reverse polarity protection Frame Ground for EMS Protection <t< td=""><td>Standards</td><td>IEEE 802.3, 802.3u, 802.3x</td></t<>	Standards	IEEE 802.3, 802.3u, 802.3x
Memory Bandwidth 1.4 Gbps	Processing Type	Store & forward, wire speed switching
Frame Buffer Memory 256 Kbit Flow Control IEEE 802.3x flow control, back pressure flow control Interface	MAC Addresses	1024
Flow Control IEEE 802.3x flow control, back pressure flow control	Memory Bandwidth	1.4 Gbps
Titlerface Ti	Frame Buffer Memory	256 Kbit
RJ-45 Port 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection Fiber Port 100 Base-FX (Single Mode; SC Connector) LED Indicators 10/100M, Link/Act, Full duplex/Half duplex (Fiber Port) Ethernet Isolation Frame Ground for EMS Protection Frame Ground for EMS Protection Single Mode Single Mode Fiber Cables: 8.3/125, 8.7/125, 9/125 or 10/125 μm Distance: 15 km, (9/125 μm recommended) for full duplex Wavelength: TX: 1310, RX: 1550 nm for NS-200WDM-A TX: 1550, RX: 1310 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -14 dBm RX Sensitivity: -31 dBm Ethernet Transmission Distance Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Input Voltage Range +12 Voc ~ +48 Voc (Non-isolation) Power Consumption 0.12 A @ 24 Voc, +/-5% arrowed with 100M Full duplex LED Indicator Per errorection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature	Flow Control	IEEE 802.3x flow control, back pressure flow control
Fiber Port 100 Base-FX (Single Mode; SC Connector)	Interface	
Ethernet Isolation 1500 V _{ms} 1 minute Frame Ground for EMS Protection Yes Single Mode Fiber Cables: 8.3/125, 8.7/125, 9/125 or 10/125 μm Distance: 15 km, (9/125 μm recommended) for full duplex Wavelength: TX: 1310, RX: 1550 nm for NS-200WDM-A TX: 1550, RX: 1310 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -8 dBm RX Sensitivity: -31 dBm Ethernet Transmission Distance Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Input Voltage Range +12 V∞ ~ +48 V∞ (Non-isolation) Power Consumption 0.12 A @ 24 V∞, +/-5% arrowed with 100M Full duplex LED Indicator Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature 0 °C ~ +85 °C	RJ-45 Port	
Ethernet Isolation 1500 V _{ms} 1 minute Yes Single Mode Fiber Cables: $8.3/125$, $8.7/125$, $9/125$ or $10/125$ µm Distance: 15 km, $(9/125$ µm recommended) for full duplex Wavelength: TX: 1310 , RX: 1550 nm for NS-200WDM-A TX: 1550 , RX: 1310 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -14 dBm RX Sensitivity: -31 dBm Ethernet Transmission Ethernet: 2 -pair UTP/STP Cat. 3 , 4 , 5 , EIA/TIA- 568 100 Ω Fast Ethernet: 2 -pair UTP/STP Cat. 3 , 4 , 5 , EIA/TIA- 568 100 Ω Power Input Voltage Range 12 Yoc 2 48 Voc (Non-isolation) Power Consumption 2 1.2 A @ 24 Voc, 24 Yoc, 24 Power with 100M Full duplex Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 2 Plastic Flammability 2 UL 2 94V-0 Dimensions (W x L x H) 2 33 mm x 2 85 mm x 2 107 mm Installation DIN-Rail Environmental 2 20 °C 2 20 °C 2 20 °C 20 20 20 °C 20 20 °C 20 20 °C 20 °C 20 20 °C 20 20 °C 20 20 °C 20	Fiber Port	100 Base-FX (Single Mode; SC Connector)
Frame Ground for EMS Protection Single Mode Single Mode Single Mode Single Mode Single Mode Fisher Cables: 8.3/125, 8.7/125, 9/125 or 10/125 μm Distance: 15 km, (9/125 μm recommended) for full duplex Wavelength: TX: 1310, RX: 1550 nm for NS-200WDM-A TX: 1550, RX: 1310 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -31 dBm Ethernet Transmission Distance Ethernet: 2-pair UTP/STP Cat.3, 4, 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Input Voltage Range +12 V _{0C} ~ +48 V _{0C} (Non-isolation) Power Consumption 0.12 A @ 24 V _{0C} , +/-5% arrowed with 100M Full duplex LED Indicator Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	LED Indicators	10/100M, Link/Act, Full duplex/Half duplex (Fiber Port)
Single Mode Fiber Cables: 8.3/125, 8.7/125, 9/125 or 10/125 μm Distance: 15 km, (9/125 μm recommended) for full duplex Wavelength: TX: 1310, RX: 1550 nm for NS-200WDM-A TX: 1550, RX: 1310 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -31 dBm Ethernet Transmission Distance Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Input Voltage Range +12 Voc ~ +48 Voc (Non-isolation) Power Consumption 0.12 A @ 24 Voc, +/-5% arrowed with 100M Full duplex LED Indicator Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Ethernet Isolation	1500 V _{rms} 1 minute
Distance: 15 km, (9/125 μm recommended) for full duplex Wavelength: TX: 1310, RX: 1550 nm for NS-200WDM-A TX: 1550, RX: 1310 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -8 dBm RX Sensitivity: -31 dBm Ethernet Transmission Distance Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Input Voltage Range +12 V∞ ~ +48 V∞ (Non-isolation) Power Consumption 0.12 A @ 24 V∞, +/-5% arrowed with 100M Full duplex LED Indicator Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Frame Ground for EMS Protection	Yes
Wavelength: TX: 1310, RX: 1550 nm for NS-200WDM-A TX: 1550, RX: 1310 nm for NS-200WDM-B Min. TX Output: -14 dBm Max. TX Output: -8 dBm RX Sensitivity: -31 dBm Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 Ω Power Input Voltage Range +12 V∞ ~ +48 V∞ (Non-isolation) Power Consumption 0.12 A @ 24 V∞, +/-5% arrowed with 100M Full duplex LED Indicator Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C		Single Mode Fiber Cables: 8.3/125, 8.7/125, 9/125 or 10/125 μm
Single Mode $ \begin{array}{c} TX: 1310, RX: 1550 \ nm \ for \ NS-200WDM-A \\ TX: 1550, RX: 1310 \ nm \ for \ NS-200WDM-B \\ \hline Min. TX \ Output: -14 \ dBm \\ \hline Max. TX \ Output: -8 \ dBm \\ \hline RX \ Sensitivity: -31 \ dBm \\ \hline Ethernet Transmission \ Distance \\ \hline Power \\ \hline Input \ Voltage \ Range \\ \hline Power \ Consumption \\ LED \ Indicator \\ \hline Protection \\ \hline Frame \ Ground \ for \ EMS \ Protection \\ \hline Connection \\ \hline Mechanical \\ \hline Casing \\ \hline Flammability \\ \hline Dimensions \ (W \times L \times H) \\ \hline Installation \\ \hline Environmental \\ \hline Operating \ Temperature \\ \hline O \ ^{\circ}C \ \sim +70 \ ^{\circ}C \\ \hline Storage \ Temperature \\ \hline -20 \ ^{\circ}C \ \sim +85 \ ^{\circ}C \\ \hline \end{array} $		Distance: 15 km, (9/125 µm recommended) for full duplex
$ \begin{array}{c} TX: 1550, RX: 1310 \text{ nm for NS-200WDM-B} \\ \hline \text{Min. TX Output: -14 dBm} \\ \hline \text{Max. TX Output: -8 dBm} \\ \hline \text{RX Sensitivity: -31 dBm} \\ \hline \\ \hline \text{Ethernet Transmission} \\ \hline \text{Distance} & \text{Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 } \Omega \\ \hline \text{Power} \\ \hline \hline \text{Input Voltage Range} & +12 \text{ Voc} \sim +48 \text{ Voc} \text{ (Non-isolation)} \\ \hline \text{Power Consumption} & 0.12 \text{ A} @ 24 \text{ Voc, +/-5\% arrowed with 100M Full duplex} \\ \hline \text{LED Indicator} & \text{Yes} \\ \hline \text{Protection} & \text{Power reverse polarity protection} \\ \hline \text{Frame Ground for EMS Protection} & \text{Yes} \\ \hline \text{Connection} & 3-\text{Pin Removable Terminal Block} \\ \hline \text{Mechanical} \\ \hline \text{Casing} & \text{Plastic} \\ \hline \text{Flammability} & \text{UL 94V-0} \\ \hline \text{Dimensions (W x L x H)} & 33 \text{ mm x 85 mm x 107 mm} \\ \hline \text{Installation} & \text{DIN-Rail} \\ \hline \text{Environmental} \\ \hline \text{Operating Temperature} & 0 \text{ °C} \sim +70 \text{ °C} \\ \hline \text{Storage Temperature} & -20 \text{ °C} \sim +85 \text{ °C} \\ \hline \end{array}$		Wavelength:
Min. TX Output: -14 dBmMax. TX Output: -8 dBmRX Sensitivity: -31 dBmEthernet Transmission DistanceEthernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 ΩPowerInput Voltage Range+12 Voc ~ +48 Voc (Non-isolation)Power Consumption0.12 A @ 24 Voc, +/-5% arrowed with 100M Full duplexLED IndicatorYesProtectionPower reverse polarity protectionFrame Ground for EMS ProtectionYesConnection3-Pin Removable Terminal BlockMechanicalUL 94V-0Dimensions (W x L x H)33 mm x 85 mm x 107 mmInstallationDIN-RailEnvironmentalOperating Temperature0 °C ~ +70 °CStorage Temperature-20 °C ~ +85 °C	Single Mode	TX: 1310, RX: 1550 nm for NS-200WDM-A
Max. TX Output: -8 dBmRX Sensitivity: -31 dBmEthernet Transmission DistanceEthernet: 2-pair UTP/STP Cat.3, 4, 5, EIA/TIA-568 100 ΩPowerInput Voltage Range+12 Voc ~ +48 Voc (Non-isolation)Power Consumption0.12 A @ 24 Voc, +/-5% arrowed with 100M Full duplexLED IndicatorYesProtectionPower reverse polarity protectionFrame Ground for EMS ProtectionYesConnection3-Pin Removable Terminal BlockMechanicalUL 94V-0Dimensions (W x L x H)33 mm x 85 mm x 107 mmInstallationDIN-RailEnvironmentalOperating Temperature0 °C ~ +70 °CStorage Temperature-20 °C ~ +85 °C		TX: 1550, RX: 1310 nm for NS-200WDM-B
RX Sensitivity: -31 dBm Ethernet Transmission Distance Power Input Voltage Range +12 Voc ~ +48 Voc (Non-isolation) Power Consumption LED Indicator Protection Frame Ground for EMS Protection Frame Ground for EMS Protection Casing Plastic Flammability Dimensions (W x L x H) Installation Environmental Operating Temperature RX Sensitivity: -31 dBm Ethernet: 2-pair UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Cat. 5, EIA/TIA-568 100 Ω Power Flavir (Non-isolation) Power rowed with 100M Full duplex Ves Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C		Min. TX Output: -14 dBm
Ethernet: 2-pair UTP/STP Cat.3, 4, 5, EIA/TIA-568 100 Ω Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Input Voltage Range		Max. TX Output: -8 dBm
Distance Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Input Voltage Range +12 Voc ~ +48 Voc (Non-isolation) Power Consumption 0.12 A @ 24 Voc, +/-5% arrowed with 100M Full duplex LED Indicator Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C		RX Sensitivity: -31 dBm
Distance Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω Power Input Voltage Range +12 Voc ~ +48 Voc (Non-isolation) Power Consumption 0.12 A @ 24 Voc, +/-5% arrowed with 100M Full duplex LED Indicator Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Ethernet Transmission	Ethernet: 2-pair UTP/STP Cat.3, 4, 5, EIA/TIA-568 100 Ω
Input Voltage Range +12 Voc ~ +48 Voc (Non-isolation) Power Consumption 0.12 A @ 24 Voc, +/-5% arrowed with 100M Full duplex LED Indicator Yes Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C		
Power Consumption O.12 A @ 24 Voc, +/-5% arrowed with 100M Full duplex Ves Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Power	
Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ∼ +70 °C Storage Temperature -20 °C ∼ +85 °C	Input Voltage Range	+12 V _{DC} ~ +48 V _{DC} (Non-isolation)
Protection Power reverse polarity protection Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Power Consumption	0.12 A @ 24 Vpc, +/-5% arrowed with 100M Full duplex
Frame Ground for EMS Protection Yes Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	LED Indicator	Yes
Connection 3-Pin Removable Terminal Block Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Protection	Power reverse polarity protection
Mechanical Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Frame Ground for EMS Protection	Yes
Casing Plastic Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Connection	3-Pin Removable Terminal Block
Flammability UL 94V-0 Dimensions (W x L x H) 33 mm x 85 mm x 107 mm Installation DIN-Rail Environmental Operating Temperature $0 ^{\circ}\text{C} \sim +70 ^{\circ}\text{C}$ Storage Temperature $-20 ^{\circ}\text{C} \sim +85 ^{\circ}\text{C}$	Mechanical	
	Casing	Plastic
Installation DIN-Rail Environmental Operating Temperature $0 ^{\circ}\text{C} \sim +70 ^{\circ}\text{C}$ Storage Temperature $-20 ^{\circ}\text{C} \sim +85 ^{\circ}\text{C}$	Flammability	UL 94V-0
Environmental Operating Temperature 0 °C ~ +70 °C Storage Temperature -20 °C ~ +85 °C	Dimensions (W x L x H)	33 mm x 85 mm x 107 mm
Operating Temperature $0 ^{\circ}\text{C} \sim +70 ^{\circ}\text{C}$ Storage Temperature $-20 ^{\circ}\text{C} \sim +85 ^{\circ}\text{C}$	Installation	DIN-Rail
Storage Temperature -20 °C ~ +85 °C	Environmental	
	Operating Temperature	0 °C ~ +70 °C
Ambient Relative Humidity 10% ~ 90% RH, non-condensing	Storage Temperature	-20 °C ~ +85 °C
	Ambient Relative Humidity	10% ~ 90% RH, non-condensing

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Applications

General Media Converter Solution

A general media converter requires a pair of fiber optic cables for data transmission and receiving.

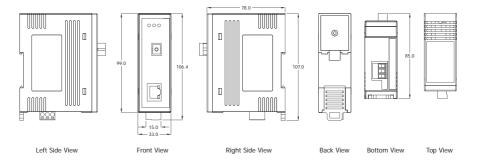


Single-Strand Fiber Converter Solution

Wavelength Division Multiplexing (WDM) supports bi-directional data transmission and receiving using dual wavelengths (1310/1550 nm) over a single strand, of single-mode optical fiber.



Dimensions (Unit: mm)



Ordering Information

NS-200WDM-A CR	10/100 Base-TX to 100 Base-FX Single-Strand Media Converter,
	TX 1310 nm, RX 1550 nm, SC (RoHS)
NS-200WDM-B CR	10/100 Base-TX to 100 Base-FX Single-Strand Media Converter,
	TX 1550 nm, RX 1310 nm, SC (RoHS)
Important Note: You must purchase both NS-200WDM-A and NS-200WDM-B since these products work as a pair.	

Accessories

GPSU06-6	24V/0.25A, 6 W Power Supply
KWM020-1824F	24V/0.75A, 18 W Power Supply
DIN-KA52F	24V/1.04A, 25 W Power Supply with DIN-Rail Mounting

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