



PoE & Reverse PoE Fiber Media Converter

10/100Mbps Single Mode 20KM SC



NETSTAR PoE Media Converters link fiber to copper while providing Power over Ethernet (PoE) to devices such as IP cameras, VoIP phones, Wireless access points, and other PoE Enabled devices. NETSTAR PoE Media Converters are available with various customized options to meet different network applications. NETSTAR PoE Media Converters will reduce cables and eliminate the need for dedicated electrical outlets on the wall, ceiling or any remote locations. Power and data are integrated into one unit and delivered over a single cable, eliminating costs for additional AC wiring and reducing installation time. The NETSTAR PoE Media converter supports a variety of advanced features, giving service providers the power to quickly and profitably deploy Ethernet services. Enterprise customers can leverage existing Ethernet infrastructure for long haul connects. The LFP (Link Fault Pass through) feature allows the fiber failure to be propagated to the copper port. The flexibility to adapt to different connectivity needs makes it an essential component of any network design. It is very easy to set up this Media Converter. You need to just plug and play.



Features:

- Versatile media converter with various customization options such as PoE IN, PoE OUT Ethernet port.
- **PoE OUT Type:** Whatever voltage (12VDC to 48VDC) is applied to the DC jack, the same voltage (12VDC to 48VDC) comes out of the Ethernet port(PoE OUT Port).
- **PoE IN Type :** You can apply 12VDC to 48VDC to the PoE IN port, multiple voltage out options are available from the DC JACK (5VDC / 9VDC / 12VDC).
- Single Mode 20Km SC Type 10/100Mbps
- Media Conversion From 10/100BASE-T To 100BASE-FX
- Auto MDI-I/MDI-X Copper Ethernet Port
- Advanced features like LFP, Auto Negotiation, Speed, Half / Full Duplex Mode selection for efficient troubleshooting
- LFP (Link Fault Pass-Through) Allows Fiber Failure To Be Propagated To Copper Port
- Link, Activity & Speed LED Indications

DIP Switch Function:

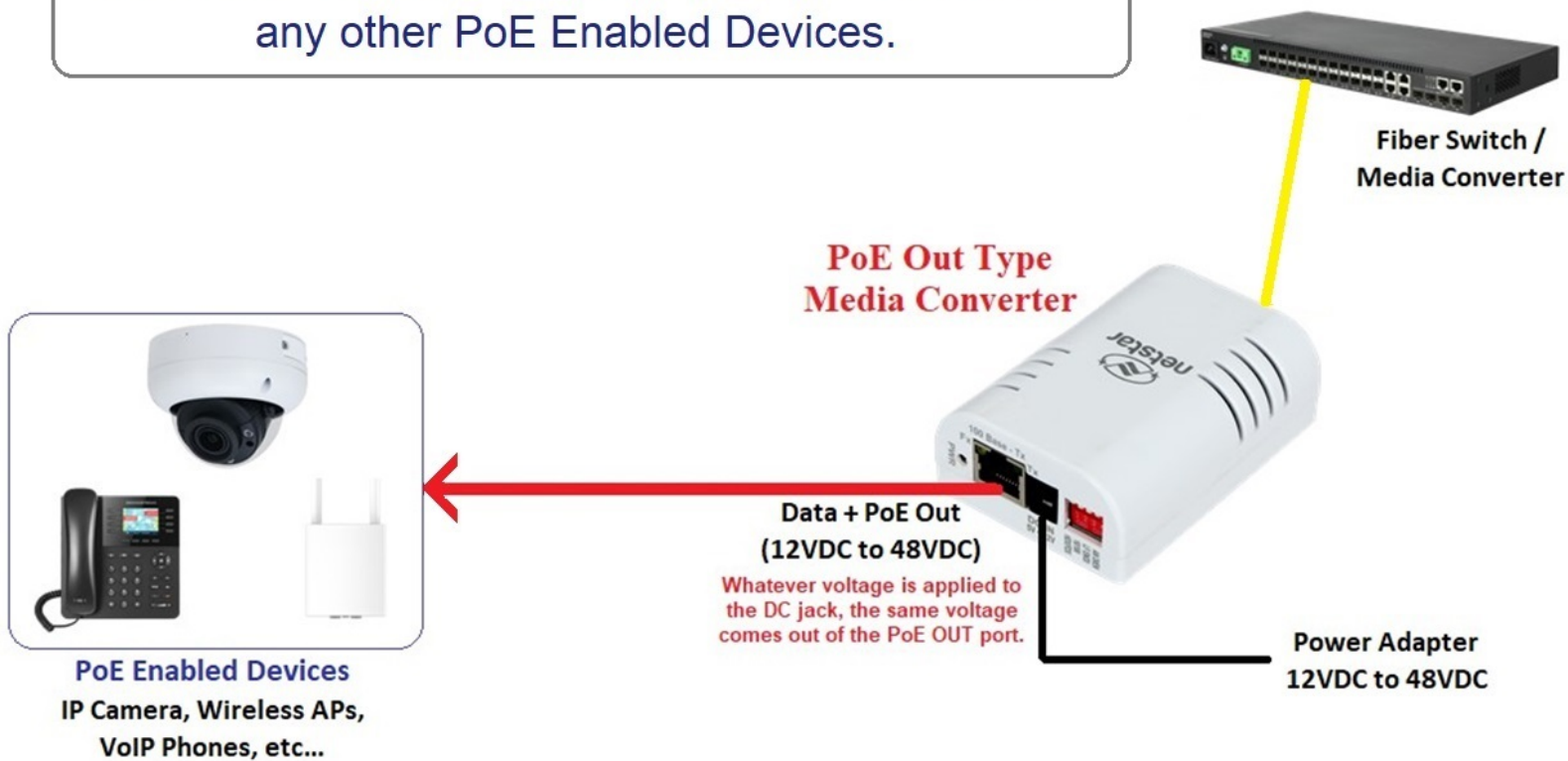
Switch	Feature	OFF	ON	DIP Switch
LF EN/DI	Link Fault Pass-through	Disable	Enable	3
AN DI/EN	Auto Negotiation	Enable	Disable	4
10/100	Speed	100 Mbps	10 Mbps	2
HDX/FDX	Mode	Full Duplex	Half Duplex	1

Technical Specification:

Model No.	NS-MCFE-SF20-SC13T-PO NS-MCFE-SF20-SC15T-PO	NS-MCFE-SF20-SC13T-PI-VX NS-MCFE-SF20-SC15T-PI-VX	NS-MCFE-DF20-SC-PO	NS-MCFE-DF20-SC-PI-VX
PoE OUT Port	Yes	No	Yes	No
PoE OUT Voltage	12VDC to 48VDC Same as applied to the DC Jack	No	12VDC to 48VDC Same as applied to the DC Jack	No
PoE IN Port	No	Yes	No	Yes
PoE IN Voltage	No	12VDC to 48VDC	No	12VDC to 48VDC
CAT-5/6 Power Pin	+VDC : Pin 4,5 & -VDC : Pin 7,8			
CAT-5/6 Data Pin	Pin 1,2 & Pin 3,6			
DC Jack Input Voltage	12VDC to 48VDC	No	12VDC to 48VDC	No
DC Jack Output Voltage	No	X = 5VDC OR 9VDC OR 12VDC	No	X = 5VDC OR 9VDC OR 12VDC
Fiber Optic Wavelength	SC13T: 1310nm/1550nm SC15T: 1550nm/1310nm	SC13T: 1310nm/1550nm SC15T: 1550nm/1310nm	1310nm	1310nm
Ethernet Connector	1 x 10/100BASE-T Shielded RJ-45			
Fiber Optic Connector	1 x 100BASE-FX Single Mode Single Fiber SC 20KM		1 x 100BASE-FX Single Mode Dual Fiber SC 20KM	
Standard Compliance	IEEE 802.3u, 10/100BASE-T, 100BASE-FX			
Power Supply	Power Supply Sold Separately			
Power Consumption	3 Watt Max.			
Temperature	Operation: 0°C ~ 60°C, Store: -20°C ~ 80°C			
Humidity	10% to 90%, non-condensing			
Dimensions	8.5 X 5.5 X 2.7 cm			
Weight	0.18 Kg			

PoE Fiber Media Converter

The PoE Media Converter is converting the data from fiber to copper, adding power and transmitting it to the IP Camera, Wireless AP, VoIP phone or any other PoE Enabled Devices.

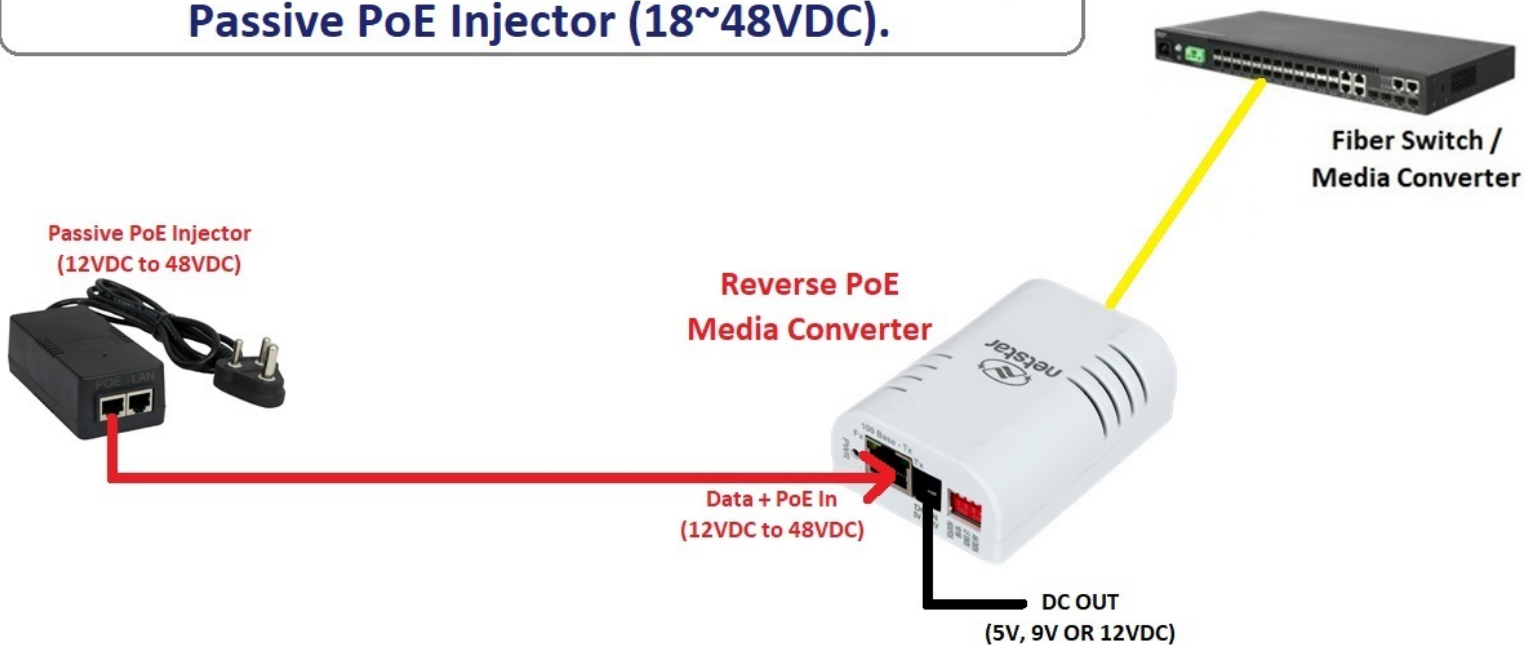


Ordering Info:

- **NS-MCFE-SF20-SC13T-PO** : PoE Out Single Mode Single Fiber 10/100Mbps 20km SC
Tx:1310nm, Rx:1550nm
- **NS-MCFE-SF20-SC15T-PO** : PoE Out Single Mode Single Fiber 10/100Mbps 20km SC
Tx:1550nm, Rx:1310nm
- **NS-MCFE-DF20-SC-PO** : PoE Out Single Mode Dual Fiber 10/100Mbps 20km SC 1310nm

Reverse PoE Fiber Media Converter

Reverse PoE Media Converter is useful where power is not available for the Media Converter, RPoE Media Converter can be powered using Passive PoE Injector (18~48VDC).



Ordering Info:

- NS-MCFE-SF20-SC13T-PI-VX : Reverse PoE Single Mode Single Fiber 10/100Mbps 20km SC Tx:1310nm, Rx:1550nm
- NS-MCFE-SF20-SC15T-PI-VX : Reverse PoE Single Mode Single Fiber 10/100Mbps 20km SC Tx:1550nm, Rx:1310nm
- NS-MCFE-DF20-SC-PI-VX : Reverse PoE Single Mode Dual Fiber 10/100Mbps 20km SC 1310nm

X = 5 for 5VDC out from DC Jack, X = 9 for 9VDC out from DC Jack, X = 12 for 12VDC out from DC Jack



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