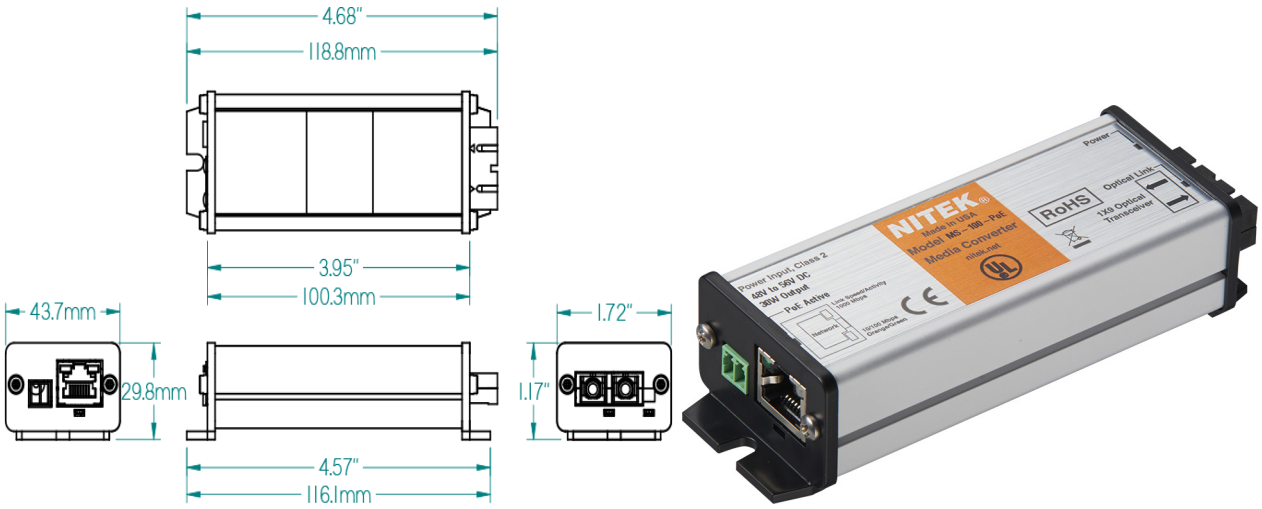
MS-100-POE

Media Converters

Ethernet Optical/ Electrical Converter

Features

- Industry's smallest miniature design
- 1 x 10/100 (Fast Ethernet) RJ45 Network port
- 1 x 100BASE-FX SC duplex single mode port
- Extends 10/100 Ethernet up to 20km / 12.5mi over single mode fiber
- Injects up to 30W pf PoE power for remote devices
- Compliant with IEEE802.3 standards
- Autosensing MDI/MDIX crossover on network port
- LED indicators for network signals, link status and power
- Made in the U.S.A.



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E325724
US LISTED
I.T.E.
IEC/UL 62368-1

RoHS Compliant 2002/95/EC

MADE IN U. S. A.

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NITEK®

MS-100-POE

Technical Specifications

Network Port:	RJ45 Connector
Optical Port:	Duplex SC 1310nm for use with single mode fiber
Ethernet:	10/100Mb on copper port, full or half duplex
Ethernet on Optical Link:	100Mb full duplex
Max operating distance electrical:	up to 100m / 330ft on Network Port (10/100 copper)
Max operating distance optical:	up to 20km / 12.5mi using SC duplex single mode 9um fiber
POE (Power over Ethernet):	Provides POE injection on Network Port up to 30W. Compliant with IEEE802.af and 802.3at standards
LED Indicator:	Orange/Green Flashing LED for 10/100 BASE Electrical link and activity Green LED for optical link and activity Green LED for Power Green LED for PoE Power
Optical Wavelenght:	1310nm
Optical Launch Power:	-3dBm (max) to -9dBm (min)
Minimum Receiver Sensitivity:	-32dBm @ 1x10E-10 BER
Receiver Overload Power:	-3dBm
Minimum Optical Budget:	23dB
Rating/Listings:	IEC/UL 62368-1 (pending)
Rating/Listings NEMA TS-2:	(TBD)
Operating Temperature Commercial:	0C to 50C / 32F to +122F
Humidity:	Up to 95% non-condensing
System Latency:	<1mS
Power Requirement:	48-56 V DC
Power used:	2 watts (not including PoE)
BTU Rating:	6.8BTU/hr
Shipping Weight:	0,9kg / 2lb
Shipping Size (HxDxW):	64mm x 133mm x 189mm / 2.5" x 5.25" x 7.45"

Common Installation