Features

- Conversion between auto-adaptation 10Base-T, 100Base-T, 1000Base-T and 1000Base-SX, full duplex 1000M working pattern.
- With distinct HIC solution, Low-temperature-rise chip, no need of cooling system, realization of flow control, decrease of broadcast storm.
- With famous brand optical-electronic-integration module providing excellent optical and electrical properties to ensure reliable data transmission and long working life.
- Supporting broadcast filtering, address auto-learning and auto-updating, and store-and-forward operating mechanism.
- Supporting Link fail Pass fiber breaking defecting (can be chosen).
- Supporting full-duplex flow control or half-duplex back pressure working pattern, along with Auto-negotiation
- Supporting 9kbyte super data packet transmission.
- Supporting LFP.
- Providing indicator lams for link-loss, electrical and optical link diagnosing, dynamic data transmission and full/half duplex, data rate.
- With more than 50,000 hours MTBF, complying with telecom operating standard.
- Supporting choosing optical ports from dual fiber (MM), dual fiber (SM), and single fiber (SM).

Product Description

This is a media converter that converts a 10/100/1000Base-TX(RJ-45) to 1000Base-SX(SC) via an 850nm multi-mode fiber (MMF) SC connector, which allows distance reach up to 550m. This provides a cost-effective conversion from 10/100/1000Base-TX(RJ-45) to 1000Base-SX fiber, while extending the network reach beyond the 100m reach limitation of copper. This AC/DC powered PoE media converter is a power sourcing equipment (PSE), which combines data transferred over a fiber optic link with 48V (or other voltage) power supply, providing power to IEEE802.3at powered device (PD) over CAT5 and up UTP cable (cable length up to 100 meters / 330 feet). It complies with the IEEE802.3at standard. The converter includes a single port PSE controller, which offers PD signature sensing and power monitoring features. Other features include over-current protection and LFP function. The LFP (Link Fault Pass-through) allows the media converter to monitor both the fiber and copper RX port for loss of signal. In case of a loss of RX signal on one media port, the

converter will automatically disable the TX signal to the other media port, thus passing through the link fault. Our media converters are 100% compliant for all of our networking needs. Now you have a cost-effective solution to your network upgrade needs.

Specifications

Parameter	
Data Rates	10/100/1000Mbps (IEEE802.3U IEEE802.3z 1000Base-Tx)
	1000Mbps (1000Base-SX)
Input Power Requirements	
Input voltage	100 VAC to 240 VAC
Input frequency	47 Hz to 63 Hz
Power over Ethernet Output	
Pin Assignment and Polarity	For IEEE802.3af standard: 1/2 (V+), 3/6 (V-)
Output Power (max.)	52V, 25W
Efficiency	75% min
Short Circuit Protection	Auto recovery
Over current Protection	Auto recovery
Environmental Conditions	
Operating Temperature	0℃ to 50℃
Cooling	Free air convection
Storage Temperature	-20℃ to +85℃
Operating Humidity	90% max, non-condensing
Mechanical Specifications	
Case Material	Iron
Case Color	Black
Net Weight	560g approx. / unit
Dimensions	110(W) x 40(H) x 140(L) (mm)
Connectors	
AC Inlet	IEC-J-4
LAN	Shielded RJ-45
Fiber	SC

Contact Information

Founded in 1999, AddOn Networks is North America's leading provider of transceivers and high-speed cabling. With a reputation for high quality products as well as an extensive custom design portfolio, AddOn has the connectivity solution regardless of the requirement.

At AddOn, 100% of the products we ship every day are tested in the specific application for which they are intended–never batch or spec tested only. We run bandwidth, distance and IOS network tests. We have documented an impressive 0.03% failure rate over the last 10 years. To continue this rate of success we invest millions annually in our own on-site testing lab.

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