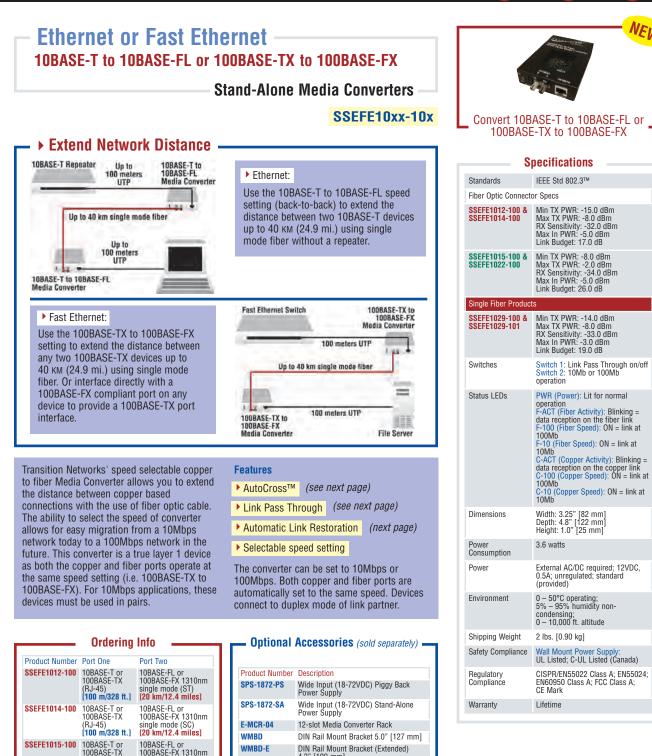


NEW



Transition Networks, Inc. 6475 City West Parkway Minneapolis, MN 55344 USA rk s®

WMBD-E

WMBD-F

WMBL

WMBV

WMBV-E

(RJ-45) [100 m/328 ft

10BASE-T or 100BASE-TX

10BASE-T or 100BASE-TX

10BASE-T or 100BASE-TX

S

-1

The Conversion Technology Experts

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> n e t w

(RJ-45) [100 m/328 ft.]

(RJ-45) [100 m/328 ft.]

(RJ-45) [100 m/328 ft.]

use in pairs

SSEFE1022-100

ingle Fiber P *lote: Recomr*

SSEFE1029-100

SSEFE1029-101

RAN

single mode (SC) [40 km/24.9 miles]

single mode (ST) [40 km/24.9 miles]

see next page)

10BASE-FL or 100BASE-FX 1310nm

10BASE-FL or 100BASE-FX 1310nm

TX / 1550nm RX single fiber single mode (SC) [20 km/12.4 miles] 10BASE-FL or 100BASE-FX 1550nm

TX / 1310nm RX single fiber single mode (SC) [20 km/12.4 miles]

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DIN Rail Mount Bracket (Extended) 4.3" [109 mm]

Wall Mount Bracket 4.0" [102 mm]

DIN Rail Mount Bracket (flat) 3.3" [84 mm]

Vertical Wall Mount Bracket 5.0" [127 mm]

Extended Vertical Mount 4.7" [119 mm]

tel 952.941.7600 or 800.526.9267 fax 952.941.2322 info@transition.com http://www.transition.com



ADVANCED PRODUCT FEATURES

► AutoCross[™]

Automatically detects and configures the twisted pair port on the converter to the correct MDI or MDI-X configuration.

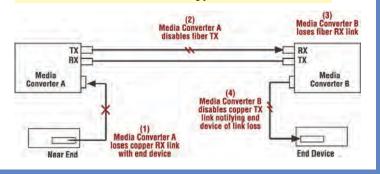
- Eliminates an entire category of troubleshooting
- No need to identify cable type—straight-through or crossover
- No user intervention required to determine correct button / switch settings

→ Link Pass Through

Link Pass Through is a troubleshooting feature that allows the media converter to monitor both the fiber and copper RX ports for loss of signal. In the event of a loss of RX signal on one media port, the converter will automatically disable the TX signal of the other media port, thus "passing through" the link loss. (see diagram below)

End device automatically notified of link loss

Prevents loss of valuable data unknowingly transmitted over invalid link



Automatic Link Restoration

Transition Networks's converters will automatically re-establish link in all network conditions.

No need to reset devices

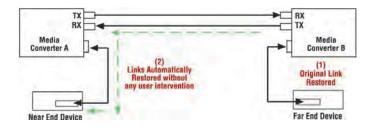
Transition Networks's converters will automatically re-establish link when connected to switches if link was lost. With other manufacturers' converters the user must reset the converter to re-establish the link.

Auto-Negotiation Enabled

Automatic Link Restoration allows the users to continue using Auto-Negotiation with Link Loss Notification features. With other manufacturers' converters the user must disable Auto-Negotiation and hard set the link.

Link Pass Through Activated in both directions

Automatic Link Restoration on Transition Networks's products allows users to continue using Link Loss Notification feature activated in both directions. Many competitive solutions allow for Link Loss Notification activation only in one direction. If Link Loss feature is activated in both directions, competitive products are put in a "deadly embrace" and they cannot restore the link without resetting the converters.





Transition Networks, Inc. 6475 City West Parkway Minneapolis, MN 55344 USA ©2005 Transition Networks, Inc. All trademarks are the property of their respective owners. Technical information is subject to change without notice. If someone tells you media conversion is a commodity product that anyone can bring to market, they probably haven't looked at the extensive product suite offered by Transition Networks. With the industry's most comprehensive offering of fullfeatured products, Transition's media converters stand out as "the choice" among industry IT professionals.

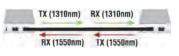
Generally, media converters are low-level OSI model devices with no IP or MAC addresses and therefore are transparent to the network. This "transparency" makes them very inexpensive and easy to use, but also can make troubleshooting the network very difficult. In an effort to overcome this difficulty and to make media converters "visible" to network managers, Transition has designed their full-featured products to include the most advanced features on the market today.

▶ Single Fiber

Single fiber technology offers a 50% savings in fiber utilization. It is an attractive solution to maximize the usage of a limited number of fiber runs.

In a traditional optical link, a fiber pair consists of two uni-directional strands. The single fiber technology multiplexes two optical wavelengths of 1310nm and 1550nm into a single strand fiber. In a single fiber media converter each wavelength is responsible for either the transmit or receive function. Consequently, the bi-directional transmission is achieved by using a single strand. The converters in a single fiber scenario "match" each other's wavelengths. Converter A transmits at the wavelength of 1310nm and receives at 1550nm while the other converter transmits at 1550nm and receives at 1310nm. Therefore, converters are usually used in pairs.

Single Fiber



Single fiber technology is available on all Transition Networks Media Converters in maximum distance ranges from 20 to 80km.

tel 952.941.7600 or 800.526.9267 fax 952.941.2322 info@transition.com http://www.transition.com