FX

Fiber
Fast Ethernet Repeater

S-800 FX
Stackable
Fast Ethernet
Repeater

"The first stackable Fast Ethernet Repeater for FX (Fiber Optic) Fast Ethernet Environments"

Back View

Features

- Up to nine network device attachments per repeater

- Supports 100 Mbits/sec. IEEE 802.3u 100BASE-FX standard on Ports 1 through 8

- Supports 100 Mbits/sec. IEEE 802.3u 100BASE-TX standard on Port 9

- Combined with Cogent's EM100 FX adapter, makes networking with fiber fast and affordable

- Scalable architecture allows stacking in groups of five; stackable also with S-1200 TX and S-1200 T4 Repeaters

- Operates on 62.5/125 µ multimode fiber optic cabling; ST and SC models available

- Two LEDs per port (Activity and Link/Partition); Power, Collision, and Activity LEDs per unit

- Cabling distances up to 137 meters (445 feet); total network diameter of 274 meters (890 feet)

- Supports all Ethernet and Fast Ethernet protocols and frame types

- 19" rack mountable

- 110/220 volt power supply

- Class I repeater, supports up to 57 devices in one unsegmented network

- Easily configurable MDI/MDI-X uplink port for flexibility

- Includes rack mount kit

- Available stacking kit

COGENT
DATA TECHNOLOGIES, INC.

FX

S-800 FX
Stackable
Fast Ethernet
Repeater

The S-800 FX is a low-profile, stackable, 9-port, Class I 802.3u Fast Ethernet repeater (hub) that integrates Fast Ethernet into network segments that utilize multimode fiber optic cabling. The S-800 FX can connect up to 9 separate network devices, to build Fast Ethernet networks quickly and cost-effectively. The ninth port provides an RJ-45 connection to 100BASE-TX, and two additional stacking ports offer scalability for growing networks. The S-800 FX can be stacked with all other S-Series models, for mixed media topologies of limitless possibilities.

Distance, Security, Flexibility

The S-800 FX allows you to build Fast Ethernet segments using data secure multimode fiber optic cabling. The ninth port on the S-800 FX supports 100BASE-TX with an RJ-45 port. The scalable architecture lets you stack up to five S-Series repeaters, to create a single Fast Ethernet segment of up to 57 devices, with a combined diameter of up to 274 meters (890 feet). The S-800 FX, stacked with other S-Series repeaters, allows you to bridge between CAT 3 UTP, CAT 5 UTP and Fiber Optic cable types. With models available for both ST (twist-on) and SC (push-on) fiber optic connectors, the S-800 FX operates in any Fast Ethernet environment, with support for all Ethernet frame types and protocols.

The right way to repeat

The S-800 FX provides port level LEDs for Activity and Link/Partition status (which identifies workstations delivering malformed packets) and unit level LEDs for Power, Collision and Activity, to keep you from guessing. A low-profile, 19" rack mountable design makes the S-800 FX easy to install and maintain. Power supply adjusts automatically between 110 and 220 volts for worldwide use.

Expanding the possibilities - Cogent offers Ethernet products to meet every adapter and repeater environment, including 10BASE-2, 10BASE-T, 100BASE-T4, 100BASE-TX, and 100BASE-FX.

Product Specifications

Dimensions and Weight
1.75" x 16.940" x 8.420"
(6cm x 58.5cm x 29cm)
Unit weight: 5 lb 6 oz (2.4 kilograms)
Shipping weight: 7 lb 4 oz (3.3 kilograms)

Interface Connections
8 ST or SC fiber optic ports supporting 62.5/125 μ multimode fiber optic cabling (100BASE-FX)
One RJ-45 port supports CAT 5 UTP and IBM Type 1 STP cabling (100BASE-TX)
2 50-pin stacking ports

Standards Compliance
IEEE 802.3u 100BASE-FX
IEEE 802.3u 100BASE-TX (port 9)
IEEE 802.3u Class I repeater
UL, CSA, TUV
FCC Class A, CE Class A

Diagnostic LEDs
Per Unit:
Power (green, one per unit)
Collision (yellow, one per unit)
Activity (green, one per unit)
Per Port:
Activity (yellow, one per port)
Link/Partition (green/red, one per port)

Reliability
Calculated MTBF>100,000 hours

Power Requirements
Power Supply: 100 to 240 VAC, 47 to 63 Hz
Internal Power Consumption: 50 watts
Heat Dissipation: 171 BTU per hour

Environmental Operating Range
Temperature: 0°C to 50°C
Relative Humidity: 5% to 85% non-condensing
Altitude: 3000m maximum

Mounting and Stacking
Includes hardware kit for mounting in a 19" rack
Available stacking kit
Stacks with all S-Series repeaters

Warranty
All Cogent repeater hubs are protected by a 5 year warranty

Ordering Information

Order Number	Description
S-800FX-ST	Fiber Repeater ST connectors
S-800FX-SC	Fiber Repeater SC connectors
STK-TX/FX	Stacking Cable Kit

Made in U.S.A.

CE 96

COGENT
DATA TECHNOLOGIES, INC.