

# T4

# Fast Ethernet Repeater

**S-1200 T4  
Stackable  
Fast Ethernet  
Repeater**



*“The first stackable  
Fast Repeater for  
T4 (CAT 3 UTP)  
Fast Ethernet  
Environments”*

*Back View*



## Features

- Up to twelve network device attachments per repeater
- Supports 100 Mbts/sec. IEEE 802.3u 100BASE-T4 standard
- Compatible with both NWAY and non-NWAY devices
- Scalable architecture—stackable in groups of five
- Operates on voice grade CAT 3 UTP, as well as CAT 4 and 5 UTP
- Two LEDs per port (Link/Partition and Activity); Power, Collision, and Activity LEDs per unit
- Cabling distances up to 100 meters
- Supports all Ethernet and Fast Ethernet protocols and frame types
- 19" rack mountable
- 110/220 volt power supply
- Class I repeater, supports up to 60 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.

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## S-1200 T4 Stackable Fast Ethernet Repeater

The S-1200 T4 is a low-profile, stackable, 12-port, Class I 802.3u Fast Ethernet repeater (hub) that integrates Fast Ethernet into networks that utilize voice grade CAT 3 UTP cabling. The S-1200 T4 can connect up to 12 separate network devices, to build Fast Ethernet networks quickly and cost-effectively. The twelfth port serves as an optional uplink port, and two additional stacking ports offer scalability for growing networks.

### Build your Fast Ethernet system solution your way

With CAT 3 UTP, the S-1200 T4 allows you to use the voice grade cable already installed in your network. The twelfth port on the S-1200 T4 can easily be configured as an uplink port to a switch or bridge with the touch of a button, without requiring a special cable. The scalable architecture lets you stack up to five S-1200 T4's, to create a single Fast Ethernet segment of up to 60 devices, with a combined diameter of up to 200 meters (650 feet). And, the S-1200 T4 operates in any Fast Ethernet environment, with support for all Ethernet frame types and protocols.

### Repeating the easy way

The S-1200 T4 provides port level LEDs for Link/Partition and Activity, and unit level LEDs for Power, Collision and Activity, to keep you from guessing. A low-profile, 19" rack mountable design makes the S-1200 T4 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-5, 10BASE-T, 100BASE-T4, 100BASE-TX, and 100BASE-FX.

### Product Specifications

#### Dimensions and Weight

1.75" x 16.940" x 8.420"  
(4.45cm x 43cm x 21.4cm)  
Unit weight: 5lb 6 oz (2.4 kilograms)  
Shipping weight: 7lb 4 oz (3.3 kilograms)

#### Interface Connections

12 RJ-45 female ports  
supporting CAT 3, 4, and 5 UTP and Type 1  
STP cabling for 100 Mbps/sec. (100BASE-T4)

#### Standards Compliance

IEEE 802.3u 100BASE-T4  
IEEE 802.3u Class 1 repeater  
UL, CSA, TUV  
FCC Class A

#### Diagnostic LEDs

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

#### Warranty

All Cogent repeater hubs are protected  
by a 5 year warranty

#### Ordering Information

Order Number	Description
S1200T4	Repeater
STK-T4	Stacking Cable Kit

**Made in U.S.A.**

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