

Introduction:

10/100Base-TX to 100Base-FX Two Port Switch can help solve your Fast Ethernet distance problems.

Features:

Use as a twisted pair to twisted pair repeater.

- Complies with IEEE 802.3 Ethernet Standard
- Nine Status Indicators



Status Indicators:

The media converter contains nine LED indicators to provide the user with an indication of switch status.

- **Power** - Media converter is receiving power.
- **TP Link** - Valid Link pulses on Twisted Pair interface.
- **TP Receive** - Valid data received on Twisted Pair interface.
- **TP 100 Base** - Twisted Pair operating at 100 Base-TX.

Configuration Switch:

One switch has been provided to allow the fiber port to be configured for half or full duplex. The default position is Full Duplex. The 100Base-FX standard does not provide for fiber duplex negotiation. Therefore, this switch provides the user with the ability to control the Duplexing option as may be required in certain network configurations.

Networking Issues:

Full Duplex -- Fiberdyne Labs, Inc. 10/100Base-TX to 100Base-FX Two Port Switch can help solve your Fast Ethernet distance problems. In a full duplex environment, the standard multi-mode product will support fiber segments up to 2km. (Your network equipment must support full-duplex, non-shared operation. (i.e. Full duplex network cards connected to switches or routers; not hubs.) A single-mode variant supports distances up to 15km in a full-duplex environment.

Half-Duplex -- Half-duplex, or Carrier Sense Multiple Access / Collision Detection (CSMA/CD) network distances are limited by the 512-bit time limit for the two most distant nodes. As a consequence of this, the maximum fiber segment in a half-duplex network is only about 412 meters.

Crossover Cables -- CAT 5 crossover cables are required when connecting the switch to another switch, or hub.

Part Number	2 Port Switch Models
FTX-G20	Ethernet 10/100BASE-TX to 100BASE-TX 2 Port Switch, RJ45