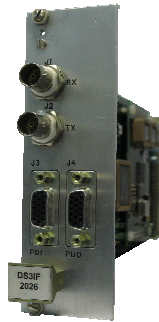




## 2026

### DS3IF1 DS3 Link Module



#### FEATURES

- Full duplex DS3 interface
- Slave to network timing
- Supports dedicated data links
- AMI with B3ZS
- Drives 450' of coax
- 75Ω BNC connectors

#### OVERVIEW

The DS3IF1 module provides a DS3 interface for an AL4300 Multiplexer/Demultiplexer unit by adding two functions to the unit. Electronically it connects between a Packetizer and a Depacketizer TTL level PDI interface and the T3 fixed rate, AMI bipolar signal. Functionally, it connects the data format between the DS-3 frames and the Multiplexer/Demultiplexer Transfer Frames.

This interface may be used in point to point fiber optic applications having a standard DS-3 interface. It may also be used in communication networks. By using a receive timing loopback feature, the transmitter DS3 output rate can be synchronized to the receive clock. Using the network timing, the Multiplexer/Demultiplexer can operate in ATM networks.

#### SPECIFICATIONS

##### T3 / DS3 INTERFACE

- AMI with B3ZS
- 75Ω; isolated BNC connectors
- Drives up to 450' coax
- C-bit parity
- Adaptive equalization (RCVR)
- Input signal: 40mv - 1.0V
- Transformer coupled

##### TX TIMING

- Internal: 25ppm crystal
- Timing loop: RX clock

##### PARALLEL INTERFACE

- Separate TX and RX interfaces
- 44.209 Mbps operating rate
- 8 bit parallel TTL data with strobe
- 15 bit high density 'D' type connector; socket