

Esprit Stat Muxes



**Use this super-speedy multiplexor
over leased or dialup lines.**

FEATURES

- Provides fast data transfer over dialup or leased lines.
- Connects up to 8 or 16 async terminals to one host.
- Allocates bandwidth in order to make better use of line capacity.
- Use in pairs for a complete connection.
- Supports loopback tests.
- Select a V.35 or X.21 interface.

OVERVIEW

The Esprit Stat Mux, when used with your dialup modems and leased lines, delivers a Composite throughput of 64 kbps (for the 8-channel models) or 256 kbps (for the 16-channel models).

Channel speeds are fast, too—up to 38.4 kbps for the 8-channel models, 115.2 kbps for the 16-channel model—up to a maximum aggregate data-input rate of 307.7 kbps or 1.84 Mbps.

This mux is perfect for UNIX® applications where each host computer has many terminals. Depending on the model you order, you can link up to 8 or 16 V.35 or X.21 async terminals to one host.

Unrestricted speed conversions are also possible by setting different data rates at the local and remote sites. Individual channels can be looped back locally or from the remote mux.

Unlike ordinary time-division multiplexors that use fixed frames with data positioned in each frame, the Esprit Stat Mux works as a statistical multiplexor that uses variable-length frames. The mux buffers and organizes each channel's data before sending it, and dynamically allocates bandwidth among active terminals so the length of frames matches the input data streams and there's no wasted line capacity.

The back-panel Composite port is set up as a DTE interface. It can either provide internal clocking up to 256 kbps or accept external clocking. The Composite link can also be put in local loopback mode, looping all data back to the receiver. Use this link, for instance, to control an ISDN terminal adapter or a dialup modem, and switch it off when there's no data flow.

Configure the mux from either end of the link using a terminal or a PC running an emulation package. You use menu-driven selection screens to scroll through and choose your configuration settings. Once chosen, your settings store in non-volatile memory and return each time you power up the Esprit Stat Mux.

Other features include flash programming and static-tolerant interface components.

These muxes must be used in pairs.

TECH SPECS

Aggregate Data Input (Maximum) — MX9070, MX9072: 307.7 kbps; MX9073, MX9075: 1.84 Mbps

Channel Data Rate (Maximum) — MX9070, MX9072: 38.4 kbps; MX9073, MX9075: 115.2 kbps

Channel Diagnostics — Local/remote QBF and data loopbacks

Clock Source — External/internal up to 256 kbps

Configuration — DCE

Data Format — 7- or 8-bit asynchronous data; Odd, even, or no parity; 1, 1.5, or 2 stop bits; formats may be set differently for local and remote units

Link Control — DTR dialing for modem

Multiplexing Technique — Packet-interleaved variable frame

Sync Data Rates (Link Rate) — MX9070, MX9072: Up to 64 kbps; MX9073, MX9075: Up to 256 kbps

Transmission Modes — HDLC, with 16-bit CRC and automatic retransmission of error blocks

Interface — MX9070, MX9073: V.35;

MX9072, MX9075: X.21

Connectors — (8) or (16) RJ-45 F, (1) DB15 F Composite

Indicators — (3) LEDs: Carrier, Loop, and Error

Temperature Tolerance —

Operating: 32 to 104°F (0 to 40°C);

Storage: 14 to 140°F (-10 to +60°C)

Humidity Tolerance — 5 to 90%, noncondensing

Power — Internal power supply; 100–240 VAC, 50–60 Hz

Size — 2.4"H x 17.2"W x 10.8"D (6.1 x 43.7 x 27.4 cm)

Weight — 6.6 lb. (3 kg)

WHAT'S INCLUDED

- ◆ Esprit Stat Mux
- ◆ (1) Composite port adapter cable
- ◆ A user's manual

Item	Code
Esprit Stat Mux	
8-Channel	
V.35	MX9070
X.21	MX9072
16-Channel	
V.35	MX9073
X.21	MX9075