MultiMux 800 Series

Models and Description:

* MMV808C/V - 8-channel MultiMux with one composite link, an optional sync data channel or second composite link, two voice or fax channels, and an internal command modem.

* MMV808C/V/56 - MMV808C/V with an optional internal 56K bps link digital service unit (DSU).

* MMV808C/V/56/56 - MMV808C/V with two optional internal 56K bps link DSUs.
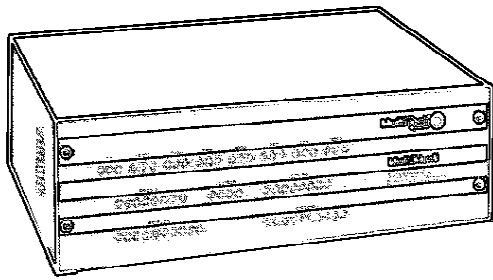
General Description:

High-speed multiplexers with dual voice/fax channels for medium-scale installations.

The MMV800-Series MultiMuxes consolidate 8 data channels for transmission over one or two composite links. Each channel handles async data at speeds to 19.2K bps, and the links operate at synchronous speeds to 128K bps per link (256K bps if only one link is used). Each model also includes a command port and a 2400 bps command modem for local or remote configuration.

The MMV800-Series muxes feature two voice/fax channels. The voice/fax channels support telephone, fax machine, key telephone system (KTS) or private branch exchange (PBX) trunk and station connections. It provides two channels for voice or fax traffic which will use the same composite link(s) that are transmitting data.

The composite link transfers the multiplexed stream of data with voice and/or fax information at sync rates up to 128K bps.

Options include one or two internal 56K bps composite-link DSUs (order model MMV808C/V/56 or MMV808C/V/56/56, respectively). The DSUs provide a Digital Data Service (DDS) interface for 4-wire, full-duplex operation at 56K bps without external hardware or serial cables. External synchronous link devices may be ordered separately.

Features:

Voice/data/fax multiplexing, Dual-composite links, and full system management with PBX connectivity!

Multiplexing Features
* Priority Statistical Multiplexing™ gives active data channels more link time than idle ones and gives voice and fax packets priority over data.

Link Options
* Single or dual composite links. A single link can handle 256K bps. With two links, each handles data at speeds to 128K bps. Alternately, Link B may be used as a sync channel with rates up to 64K bps.

* Networking Feature: Routes voice/fax/data traffic to any mux in a multi-node network (up to four muxes per network). Uses static voice pass-through and packet pass-through.
* May be used with internal 56K bps DSUs or any external synchronous link device (e.g., modems or DSUs).
* Dynamic Link Load Balancing: Disperses traffic over both links when tandem to a single site.
* LAN Bridging: Passes SDLC LAN bridge data through the composite link.

Management Features
* Configuration: Menus with help screens for local configuration via the command port or remote configuration via command modem.
* Command Functions: Select channel speeds, flow control method, parameter listing, storage and downloading configuration, status echo controls, reset, parity, stop bit(s), response time priorities, and tests.
* Diagnostics: Memory tests, digital-, and voice/fax-loopback tests, switch and LED tests, Nonvolatile RAM test, and watchdog timer test.

Specifications:

Channel speeds to 19.2K bps, Link speeds to 256K bps, and Integral command modem.

Data Channels
Quantity:	Eight (Link B may be used as a ninth for 64K bps SDLC sync operation)
Interface:	RS232C

Speeds:	Optional sync channel input at 64K, 56K, or 38.4K bps. Sync or async channel input at 19.2K, 14.4K, 9.6K, 4.8K, 2.4K, 1.2K, or 300 bps
Format:	Async; 5, 6, 7, or 8 bits; 1, 1½, or 2 stop bit(s); Odd, even, or no parity
Control:	Hardware and software flow control

Composite Links
Quantity:	Two
Speed:	128K bps each or 256K bps for one
Format:	Sync; Proprietary modified HDLC

Voice/Fax Channels
Compression:	9.6K or 16K bps voice digitization
Interface:	E&M, FXO, or FXS

Electrical / Physical Specifications
Dimensions:	4.9 x 15.1 x 13" 12.4 x 38.4 x 33 cm
Weight:	21 lbs (9.5 kg)
Switches:	Power and DIPs (for parameters)
Connectors:	1-Power; 8-DB25Fs (*data*); 1-DB25F & 1-RJ11F (*command*); 2-DB25Ms (*link*); 2-RJ11Fs (*FXS*), 2-RJ11Fs (*FXO*), and 2-RJ48Fs (*E&M*); and 2-RJ48Fs (*Internal DSU*)
LEDs:	XMT, RCV, FC (channel); CD, RCV, XMT, CTS, RXT, FCR, RD, TM (link); FXS, FXO, E&M, VCE, FAX, XMT, RCV, XSG, RSG, TM (Voice/Fax channels); and CD, RCV, XMT, OH (command)
Voltage:	100-120v AC (220-240v optional)
Frequency:	47 to 63 Hz
Power:	35 watts

Optional Internal DSU Specifications
Speeds:	56K , 19.2K, 9.6K, 4.8K, or 2.4K bps
Format:	Synchronous DDS or compatible
Usage:	Full-duplex over Local Area Data Set or 2-pair non-loaded metallic wire
Warranty:	Two years

Manufactured in Mounds View, MN, U.S.A.

MultiTech® Systems

The right answer every time.