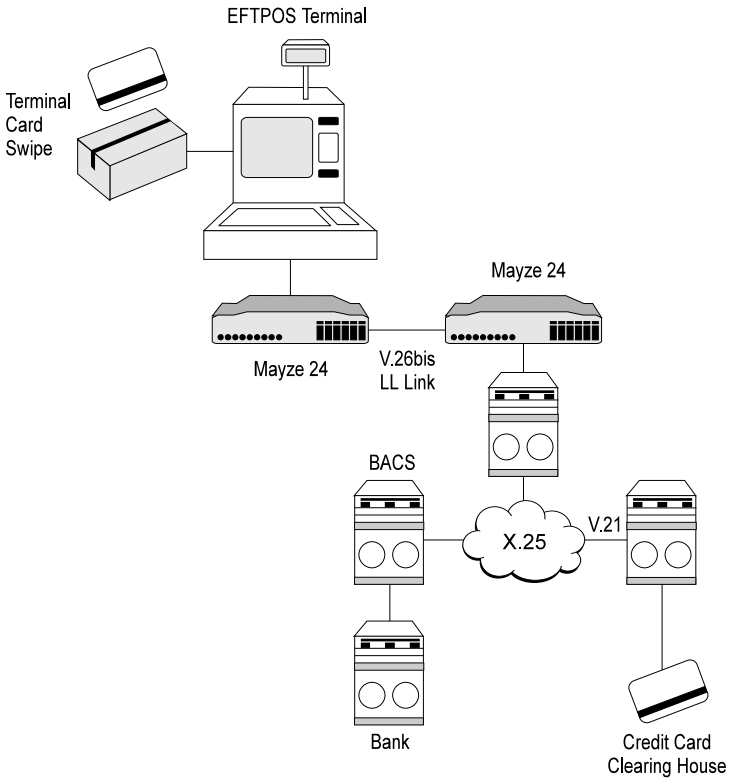
Transmission

Case Communications

MAYZE 24

V.21, V.22, V.22bis, V.23

Asynchronous Modem



Features

- V.21, V.22, V.22bis, V.23 compliant
- V.42 error correction
- V.42bis data compression
- Sync or Async operation
- DTE Port V.24 /V.28 compatible
- Extended AT command set
- Password security
- Dial back security
- Separate command port
- Soft configurable
- Auto dial/auto answer V.25
- V.54 loop tests
- 2,400 bps 2 Wire PSTN/Leased
- Remote configuration
- Standalone or Network 16 Rack options for maximum flexibility
- Integral power supply on standalone unit
- Network manageable from DomainView Network Management System

General Description

The MAYZE 24 supports a wide range of modulation techniques, and provides industry standard error correction and compression. It automatically negotiates the best modulation scheme to use with the remote modem on a call by call basis, and performs auto dial and auto answer. The MAYZE 24 also provides two levels of security.

Multi-standard Operation

For dial-up operation interworking with modems from other vendors is critical. To ensure maximum connectivity with the minimum of fuss, MAYZE 24 supports industry standard modulation schemes ranging from V.22bis which offers data transmission at 2400bps, down through V.22, V.21 and V.23.

Fact Sheet

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Error Correction

When working over voice grade dial-up and lease line circuits, error correction is essential. For situations where the data is not itself protected by an error correcting protocol, MAYZE 24 offers industry standard V.42 error correction. This offers error free data transmission and ensures interworking with other modems supporting this standard. For complete backward compatibility MNP Classes 2-4 are also supported.

Data Compression

To allow you to make the most cost efficient use of dial-up or lease line services, MAYZE 24 provides V.42bis data compression. This technique which works in real-time on the data can provide impressive increases in effective throughput. In asynchronous modes data throughput up to 8000bps in V.22bis can be achieved, this represents over 300% efficiency. To allow for this the data interface on the MAYZE 24 can run at up to 19,200bps. Of course V.42bis is the recognised standard for data compression so ensuring a high degree of interworking. Again for backward compatibility purposes MNP Class 5 is also offered.

Configuration

The MAYZE 24 has twelve pre-set factory configurations, and four user entered configurations held in non-volatile memory. Configurations can be loaded and modified locally via the DTE port or command port. The modem's configuration can also be modified remotely and stored in the Network 16 management card.

Auto Dial Auto Answer

The MAYZE 24 supports auto dial/auto answer via AT commands or V.25bis protocol in both sync and async. 50 telephone numbers with text, and alternative numbers can be stored.

Security

The MAYZE 24 can be programmed to check Stored Passwords (Level 1) during call set up. Additionally the rackmount unit can also perform a Level 2 Security Handshake with the Network 16 providing Time of Day access control.

The MAYZE 24 can also be configured for Dial back Security with a maximum of fifty numbers and passwords being stored in the modem's on board memory. For added network integrity the EP version, with it's second line interface, can route the dial back call through a separate connection. Dial back security can be used in conjunction with Level 2 security providing an extensive network security mechanism.

Network 16 Compatible

As a fully managed component in the Network 16 range of data transmission products, the MAYZE 24 is available either as a standalone unit or as a rack card. It can be housed and managed in the Network 16 racking system alongside existing modem products, it occupies a single slot in a Network 16 rack. In its standalone form, the MAYZE 24 uses the same enclosure as the Syncro modems.

Both the standalone unit and rack card have LED's and front panel buttons for loading configurations, invoking tests and monitoring the interface status.

Technical Specification

Physical Description

Standalone unit	1DTE interface 1 3mm stereo jack cmd. port 1 telephone flying plug 1 Socket for telephone 275xl90x46mm
Rack Card	64 way connector, plugs into Network l6 card frame 3l0x20xl56mm Max 16 in Network l6 frame

Front Panels

Indicators	9 LEDs
Buttons	6 push buttons

DTE Interfaces

Standalone	1 V.24 25 way D socket 1 3mm stereo jack
Network l6 rack	16 V.24 25 way D sockets
Line requirements	BT 2 wire PSTN or Leased circuit
Transmission	
V.21	300bps async. full duplex 2 wire
V.22	600/1200bps sync/async full duplex 2 wire
V.22bis	1200/2400bps sync/async full duplex 2 wire
V.23	l200/75bps sync/async half duplex or split speed 2 wire
Error correction	V.42 & MNP4
Data compression	V.42bis & MNP5

Environment

Power	
Standalone unit:	220-240V 8VA 47-63Hz
Network 16 rack	220-240v 200VA (Max for single power supply) 47-63Hz
Humidity	5% to 95% (non-condensing)
Operating	+5 deg C to +40 deg C
Storage	-25 deg C to +55 deg C

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