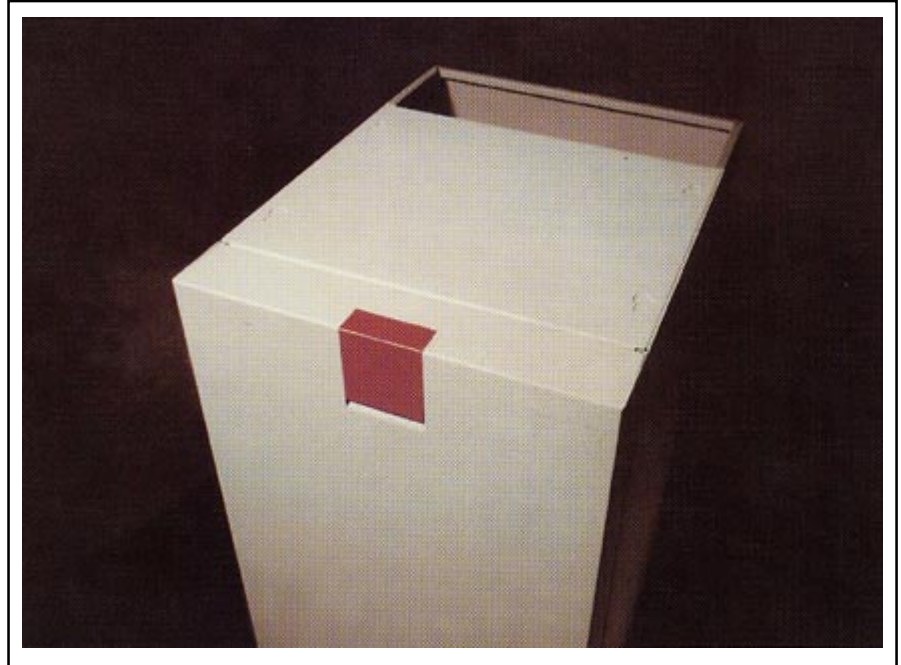


# FS 700 Data Sheet

*The FS 700 offers full functionality frame relay with speeds up to 2 Mbps, as well as packet switching and ATM interface. The extensive software functionality includes unique features such as safe relay and the same addressing structure for X.25 and frame relay.*



## General

Almost every trend we see in business today drives the growth of the enterprise network. Exciting new applications, new ways of working and new network designs demand a flexible, highly available and easily extensible network infrastructure.

The FS 700 is perfectly designed for this new environment. It is a high speed frame relay switch, which combines packet switching, frame relay and ATM technology in the same system, ensuring safe migration to future technologies. It is comprised of one or two Control Units, allowing up to 60 high speed ports. Larger configurations can be created by connecting up to 16 Control Units through a standard VLSI-based serial bus for packet switching traffic, making a total of 960 high speed ports.

The hardware is based on VME (the industry standard) to achieve high performance.

The software offers a wide range of selectable functions to ensure highly versatile applications. For frame relay, the safe relay function provides the same immunity as X.25 when sending traffic over poor transmission links which could not normally be used for frame relay. The same addressing structure is provided for both X.25 and frame relay.

FS 700 reliability is achieved with duplicated power, two backplane buses and Line Units connected in parallel. The power units may be "hot swapped".

The FS 700 can be managed from any SNMP-based management system.

## SERIAL PORTS

Speeds	64 Kbit/s - 2048 Kbit/s
Ports	60/cabinet
Logical	DTE or DCE
Physical Interfaces	V.35, V.36, X.21, E1 G.703/G.704
Functions	Virtual call Fast select call Permanent virtual call Direct call Hot virtual circuit  Network address Subaddress Selection by name Hunt group  Dedicated access  Closed user group Incoming calls barred Outgoing calls barred Incoming international calls barred Outgoing international calls barred Calling address validation Origin dependant number analysis  Alternative routing  Virtual Circuit Restoration Virtual Circuit Preference Traffic priority classes Congestion control  Configuration management Fault management  Safe Relay Packet Switched Data Network Access (PSDN) Public/Private Switched Telephone Network Access (PSTN) (Non-switched)  Single Link Procedure (SLP) - Trunk  Access identification  Packet broadcast Object management application Network management facility  On Line Software Update Local operator authority Statistics Traffic simulation Echo port Charging data collector Charging data transfer Message broadcast Port Monitor

## SERVICES

- Internal Network Interface
  - X.75 SLP
  - Frame Relay
- Public network connections
  - X.25
  - X.75
  - X.21
  - ATM
  - Frame Relay
  - ISDN
- User-Network Interface
  - Frame Relay (Frame Relay Forum)
  - X.25 (ITU-T)

## MANAGEMENT

D.N.A. Node Manager, SNMP, TELNET, Local Terminal, Remote Operator Access

## OPERATING CHARACTERISTICS

Processor Board	MC68040
Memory	16 Mbyte DRAM 128 Kbyte static RAM 2 Mbyte Flash EPROM
Real Time Clock Fitted	
Dimensions (HxDxW)	770x580x445 mm (30.4x22.9x17.5) inches
Weight	<90 kg or 198 lbs
Power	AC/DC 90-250 V DC/DC -40 to -72 V
Temperature	5-40°C 41-104°F
Relative humidity	10-85%
Climate & Mechanical Environment	ETS 300 019-1
Safety Approvals:	
LVD	EN 60950
EMC Approvals:	
Emission	EN 55022 (CISPR 22 class A)
Immunity	EN 50082-2
TTE Approvals:	NET2: X.21, V.35, V.36 CTR12: G.703 prTBR13: G.703/G.704

