Product Information

ASCEND

Product Information

Pipeline EtherFrame

FRAME RELAY ACCESS ROUTING

CORPORATE FRAME RELAY ACCESS

FRAME RELAY INTERNET ACCESS

Ascend's EtherFrame products let corporations, remote offices and individual users gain access over frame relay to backbone networks and the Internet.



With the Ascend Pipeline EtherFrame access router, remote offices,telecommuters and Internet users can connect to inexpensive frame relay services over 56 kbit/s lines.

The Pipeline EtherFrame is the most versatile and affordable Ethernet-to-frame relay access router available for high-speed access to corporate network resources and the Internet.

Frame Relay Features

In a single modem-sized box, the Pipeline EtherFrame combines:

- Frame relay encapsulation based on RFC 1490
- Support for a frame relay connection and an IP connection to different locations
- Annex D link management
- Support for 4 PVCs

Access Routing and Bridging

Sophisticated protocol support ensures efficient connectivity to frame relay backbones and the Internet.

- Standard multiprotocol bridging
- IP, IPX routing
- PPP and MPP (Ascend's Multichannel Point-to-Point protocol)
- Transmit and receive packetfiltering

Full LAN/WAN Management and Control

Manage remote Pipeline EtherFrame access routers as easily as your local facilities.

- Integrated SNMP
- SNMP MIBs
- Telnet remote management
- Rigid security features
- WAN loopbacks
- FLASH memory for software downline loading

Internet Access

Most Internet Service Pro have standardized on Asc products for Internet acc

- Pipeline EtherFrame pr high-speed access to fra Internet services over a 56 kbit/s circuit

Leased and Switched

Two connections allow le frame relay access and lea switched access to other

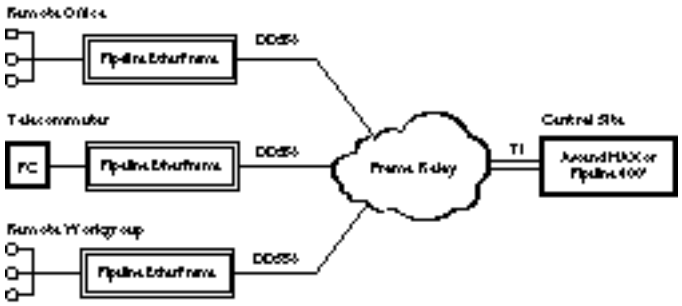
- Single or dual 4-wire cc with integrated DSU/CS frame relay access
- Switched 56 circuit can backup frame relay con

A Complete Frame R Solution

EtherFrame software for central-site Ascend MAX Pipeline 400 WAN access combines with the Pipelir EtherFrame units to prov corporations with a comp frame relay solution.

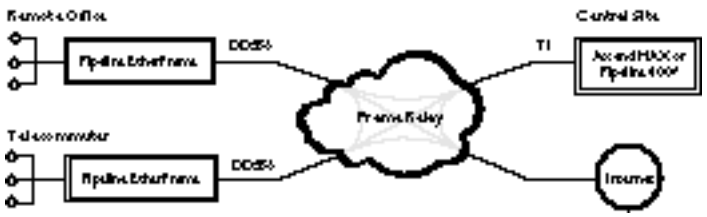
- EtherFrame software o MAX aggregates incomi relay traffic with analog, Switched 56 and leased- traffic over 96 WAN co
- EtherFrame software o Pipeline 400 aggregates frame relay traffic with ISDN,Switched 56 and line traffic over 24 WA connections
- The MAX and Pipeline support 4000 PVCs

Remote Access with Pipeline EtherFrame Router



By installing Pipeline EtherFrame routers, corporations with frame relay backbones can provide frame relay connectivity to remote workers in branch and home offices. MAX or Pipeline 400 WAN access switches with EtherFrame software can be used at central sites to concentrate incoming frame relay traffic from EtherFrame routers and other frame relay access devices along with analog, ISDN, Switched 56 and leased line traffic.

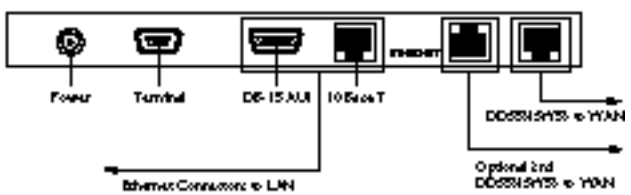
Pipeline EtherFrame: An Ethernet-to-Frame Relay Access Router



Pipeline EtherFrame access routers can connect telecommuters and remote workgroups over the same 56 kbit/s frame relay circuit to corporate LANs, the Internet and each other. Each EtherFrame router can establish Permanent Virtual Circuits (PVCs) to as many as four different locations.

*Ascend MAX,Pipeline 400 or any other frame relay router running frame relay encapsulation based on RFC 1490

Pipeline EtherFrame Back Panel



Hardware Specifications

Size	Power Requirements
8.2" x 6" x 1.2"	90-130VAC, 0.4A
	220-240VAC, 0.2A
	47-63HZ

Frame Relay Specifications

Platforms	Datalinks	PVCs
Pipeline Etherframe	1	4
Pipeline 400 SW56	4	4000*
Pipeline 400 T1	8	4000*
MAX	16	4000*

*With RADIUS software;32 PVCs without RADIUS

Software Specifications

LAN-to-LAN Routing	Other Protocols	Security	Network Management
IP, IPX,Filtering,Bridging	TCP, DDP, UDP, ICMP, PING, FINGER,ECHO, RIP, ZIP	PAP, CHAP, Callback, Password	SNMP, Telnet Remote Access, Syslog,FLASH EEPROM, Call Detail Reporting (CDR), WAN Loopback

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Ascend Communications,Inc. (NASDAQ:ASND products use global bandwidth on demand to enhance and extend corporate backbone netw for remote LAN access,Internet access, telecommuting,video access,and leased-line ba and overflow.

Ascend markets the Multiband,Pipeline and MA families of products.Ascend products are availa in more than 26 countries worldwide.

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