

Ascend



The Pipeline Product Family

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Pipeline Product Family

Applications

The most comprehensive product line for:

- **Telecommuting**
- **Remote access**
- **Internet access**
- **Small Office/Home Office (SOHO)**



Contents

- Ascend's Pipeline® Product Family
 - Overview
- Pipeline 15
 - Single User Internet Access & Telecommuting
- Pipeline 25-*Fx*
 - Multi User Small LAN Bridged Remote Access
- Pipeline 50
 - Internet & Remote LAN-to-LAN Access
 - DDs/SW56 Single Line Access
- Pipeline 75
 - Telecommuting, SOHO & Internet Access
- Pipeline 85 ****New****
 - SOHO & Internet Access
- Pipeline 130
 - Mission-critical Remote Networking & Internet Gateway
- Pipeline Family
 - Common Features
 - Pipeline - Total Solutions
 - Overview Chart
- Comprehensive Competitive Analysis
 - <http://home.ascend.com/sales/pipeline.pdf>



Pipeline Product Family

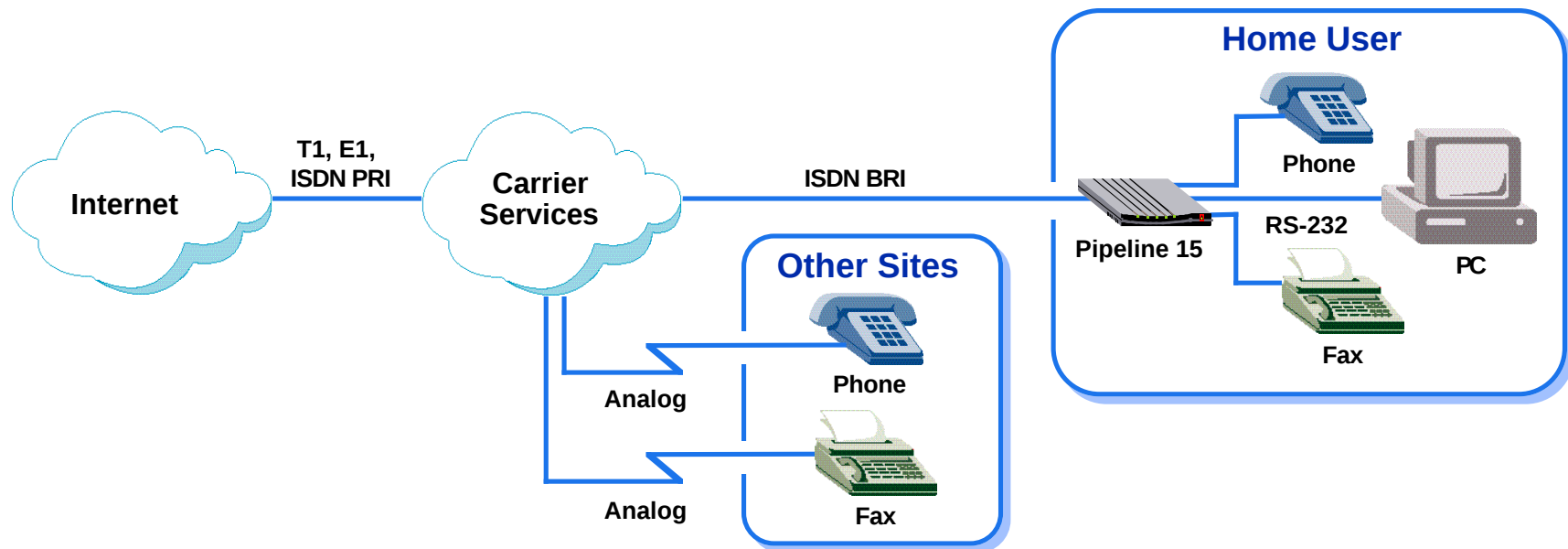
Overview

- **High speed dial-up access**
 - ISDN, SW56
- **Leased line access**
 - T1, Frame Relay, DDS56
- **Routing and/or bridging**
- **Security and network management**
- **Bandwidth management**



Pipeline 15

Single User Internet Access & Telecommuting

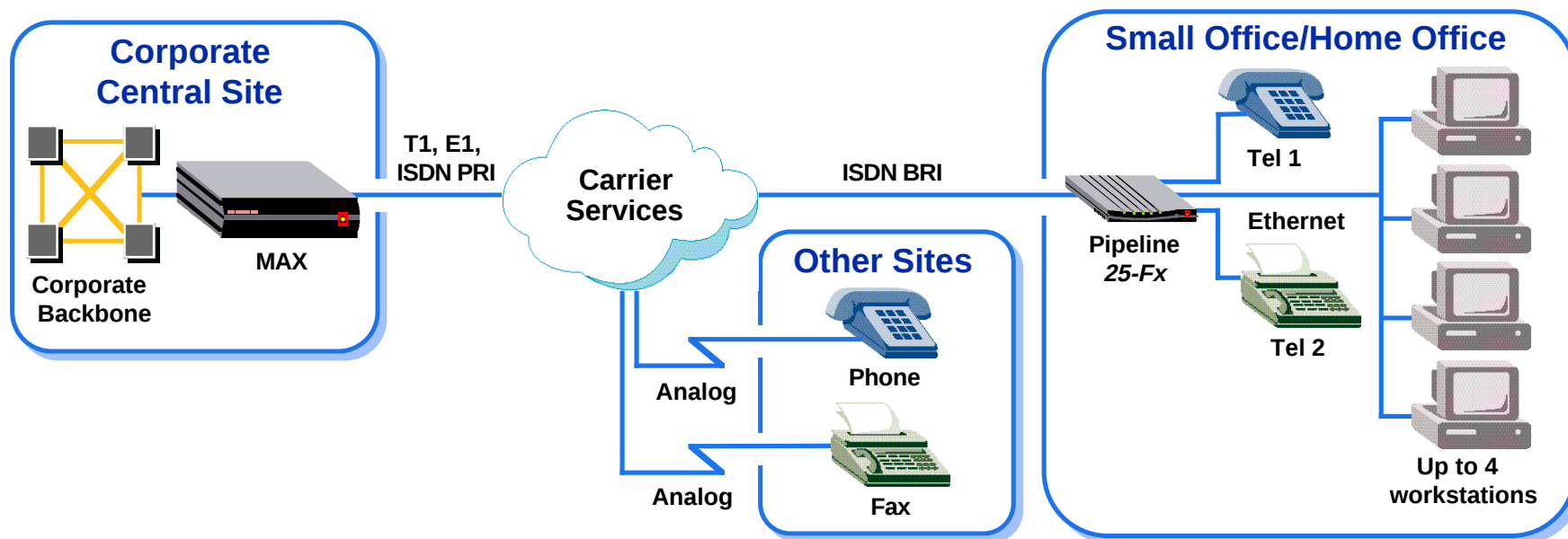


- External ISDN TA with dual POTS ports
- Ideal for downloading high resolution graphics, viewing video clips or just surfing the net at speeds up to 230 Kbps
- MP+ and idle timer maximize efficiency and save money



Pipeline 25- Fx

Multi User Small LAN Bridged Remote Access

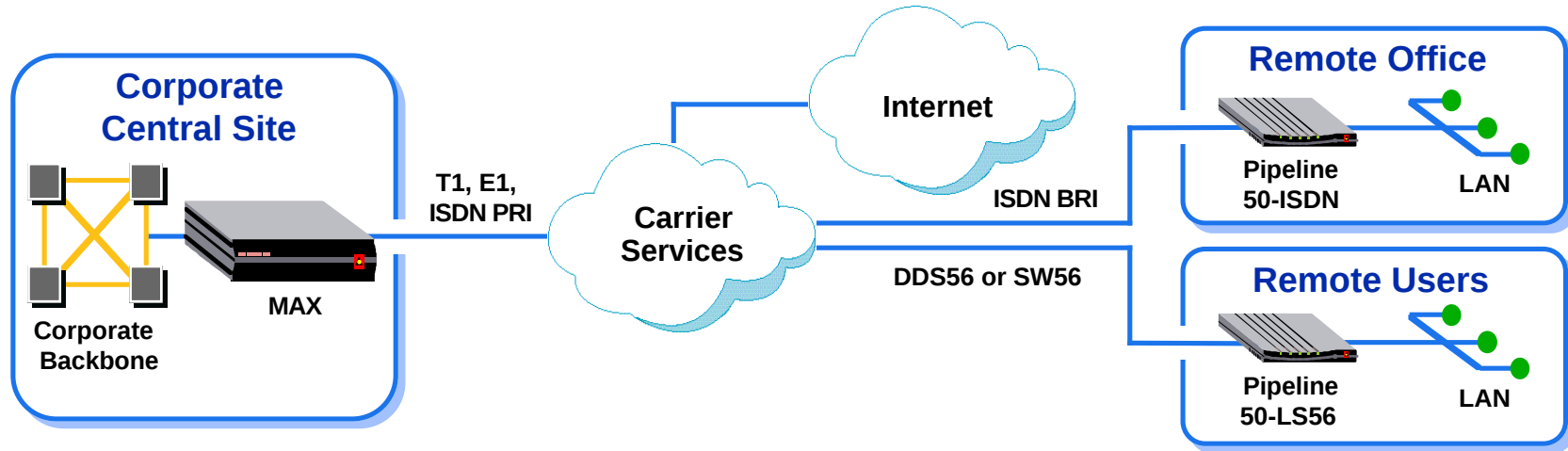


- Integrated analog and digital capabilities
- Up to four data users
- BCP standard bridging
- Ascend remote management
- Simultaneous connections between different locations
- PAP, CHAP, callback, token-card security



Pipeline 50

Internet & Remote LAN-to-LAN Access

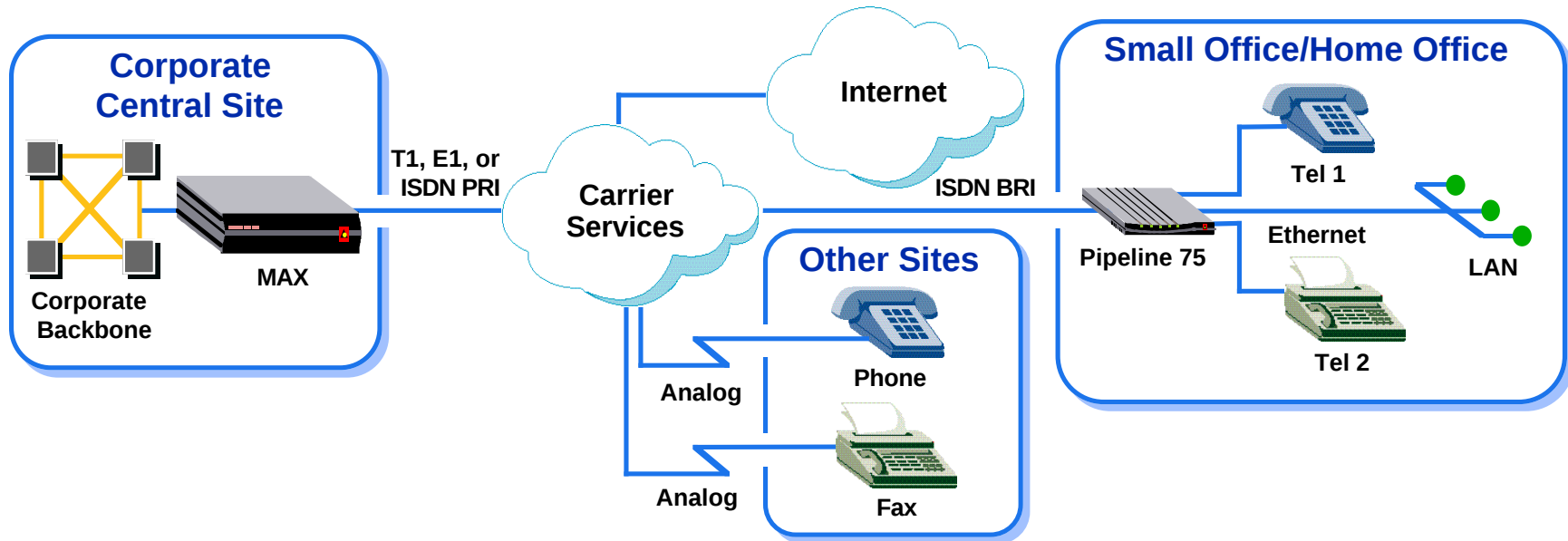


- Multiprotocol routing & bridging
- Remote management
 - SNMP, telnet, syslog
- Unlimited LAN access to the Internet & other locations
- SmoothConnect™ for easy and cost-effective ISDN access
- Multi-access lines: ISDN, SW56/DDS56
- STAC 4:1 data compression standard
- Simultaneous connections between different locations
- Extensive security
 - Optional Secure Access™ Firewall



Pipeline 75

Telecommuting, SOHO & Internet Access

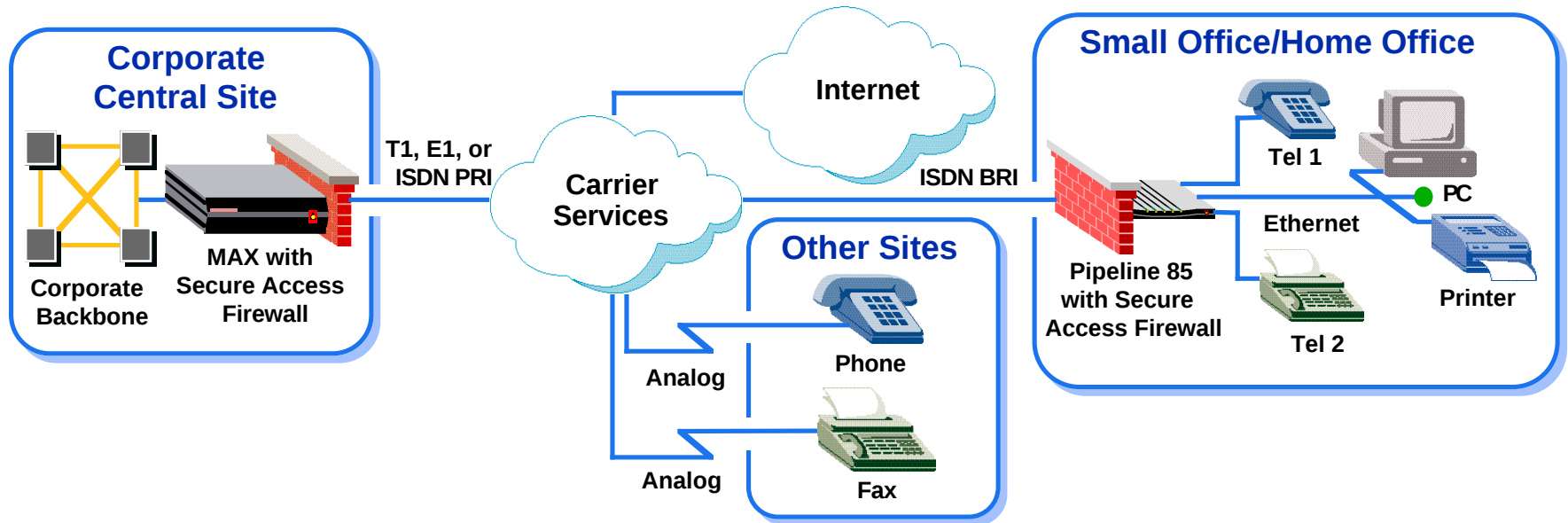


- Integrated analog and digital capabilities
- Multiprotocol routing & bridging
- Remote management
 - SNMP, telnet, syslog
- Unlimited LAN access to the Internet & other locations
- SmoothConnect for easy and cost-effective ISDN Setup
- Simultaneous connections between different locations
- STAC 4:1 data compression standard
- Extensive security
 - Optional Secure Access Firewall



Pipeline 85 ****New****

Small Office/Home Office & Internet Access

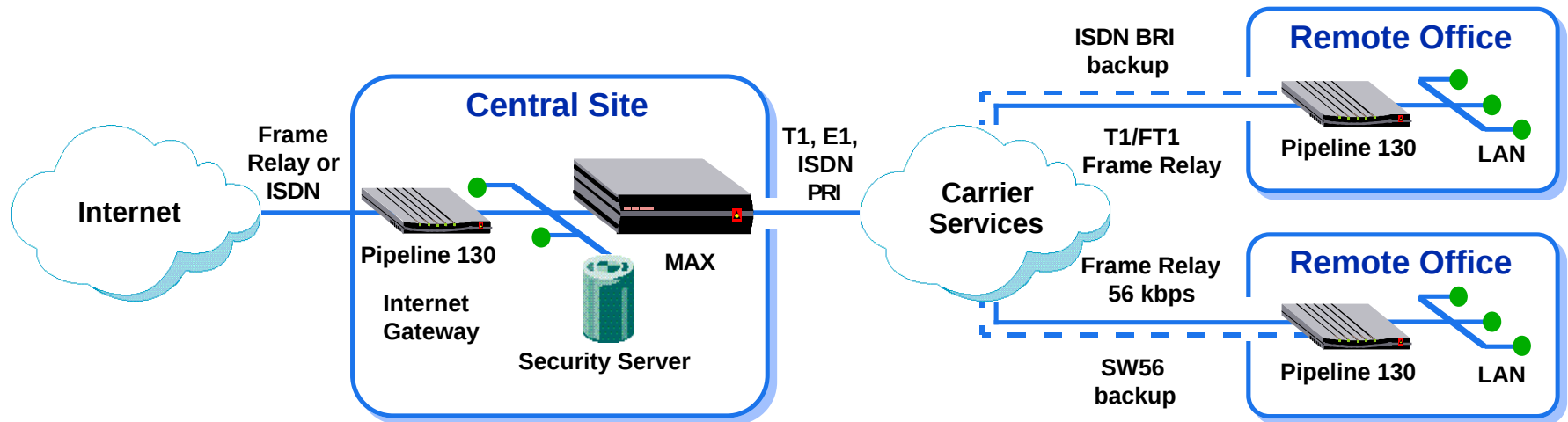


- Integrated 4-port 10Base-T Ethernet hub
- Multiprotocol routing & bridging
- Remote management
 - SNMP, telnet, syslog
- Unlimited LAN access to the Internet & other locations
- SmoothConnect for easy and cost-effective ISDN setup
- Simultaneous connections between different locations
- STAC 4:1 data compression standard
- Extensive security
 - Optional Secure Access Firewall



Pipeline 130

Mission-Critical Remote Networking & Internet Gateway



- Leased line access with dial-up backup
 - Integrated CSU/DSU
 - Network redundancy
- Remote management
 - SNMP, telnet, syslog
- DHCP server spoofing
- Extensive security
 - Optional Secure Access Firewall
- STAC 4:1 data compression (over BRI) standard
- Network Address Translation



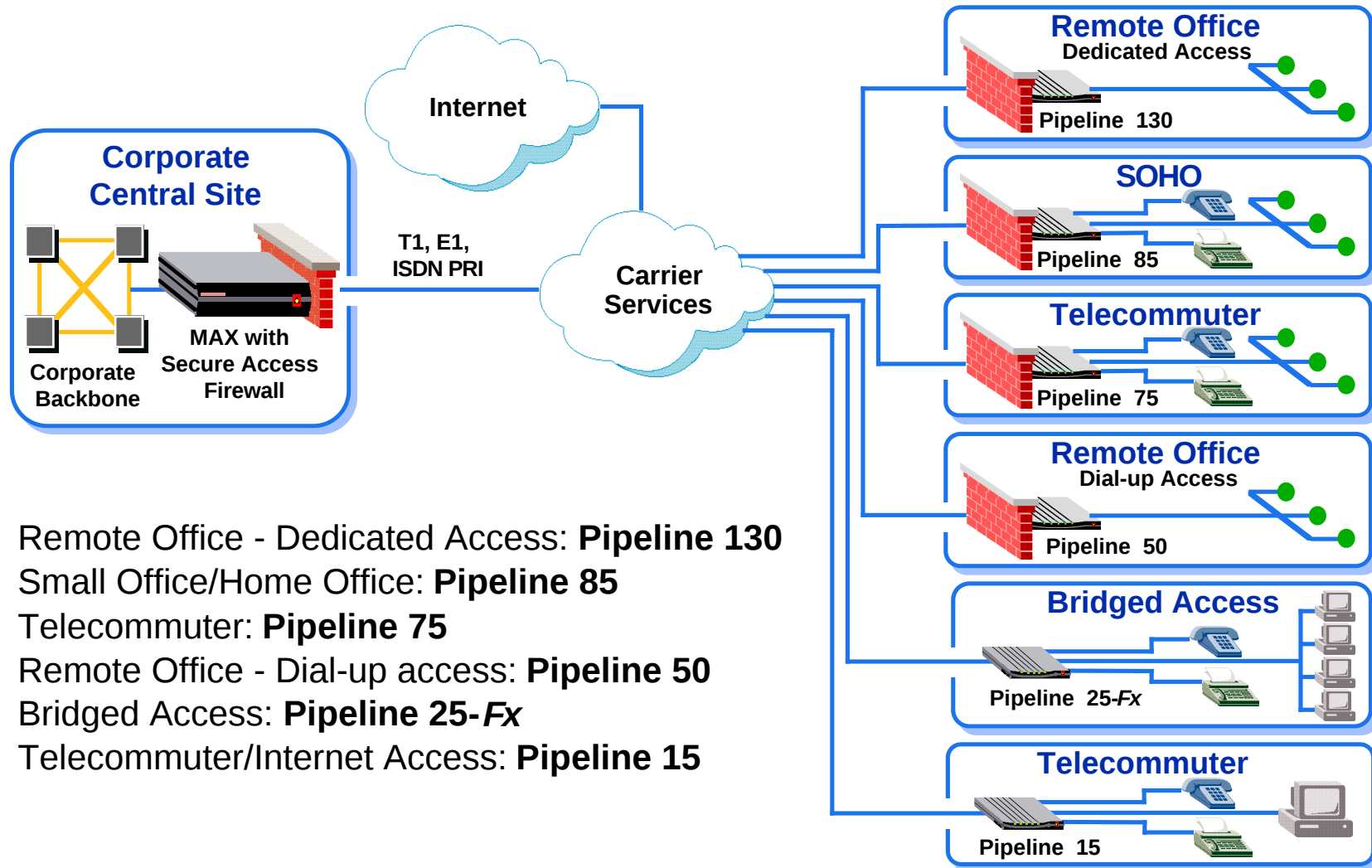
Pipeline Family

Common Features

- ISDN BRI WAN access
 - T1/DDS56/SW56/V.35 - Pipeline 50 or Pipeline 130
- Ethernet LAN access
 - Integrated 4-port Ethernet hub - Pipeline 85
- Integrated bandwidth on demand
 - B-Channels are added or subtracted based on need
- WAN Protocols: PPP, MP, MP+, BACP
- Network Address Translation (NAT)
 - Pipeline 50, -75, -85, -130
- Remote management
 - Through Ascend's Remote Management (ARM) Protocol
- Flash EEPROM
 - Makes software upgrades easy
- STAC 4:1 data compression
- Comprehensive security
 - Industry standard - PAP, CHAP
 - Optional Firewall - Pipeline 50, -75, -85, -130
- DHCP server spoofing
 - Pipeline 50, -75, -85, -130



Pipeline Total Solutions



- Remote Office - Dedicated Access: **Pipeline 130**
- Small Office/Home Office: **Pipeline 85**
- Telecommuter: **Pipeline 75**
- Remote Office - Dial-up access: **Pipeline 50**
- Bridged Access: **Pipeline 25-Fx**
- Telecommuter/Internet Access: **Pipeline 15**



Pipeline Family

Overview

Product	Pipeline 15	Pipeline 25-Fx	Pipeline 50	Pipeline 75	Pipeline 85	Pipeline 130
Base list price	\$450	\$595	\$895	\$995	\$1,095	\$1,995
Bridging	n/a	Yes	Yes	Yes	Yes	Yes
IP routing	n/a	No	Yes	Yes	Yes	Yes
IPX routing	n/a	No	Yes	Yes	Yes	Yes
AppleTalk routing	n/a	No	Yes	Yes	Yes	Yes
PAP/CHAP	Yes	Yes	Yes	Yes	Yes	Yes
POTS	2 RJ-11	2 RJ-11	No	2 RJ-11	2 RJ-11	No
U interface	Yes	Yes	Yes	Yes	Yes	Yes
S/T interface	Yes	Yes	Yes	Yes	Yes	Yes
Number of users	1	Up to 4	Unlimited	Unlimited	Unlimited	Unlimited
PPP	Yes	Yes	Yes	Yes	Yes	Yes
Multilink PPP	Yes	Yes	Yes	Yes	Yes	Yes
MP+	Yes	Yes	Yes	Yes	Yes	Yes
SNMP	n/a	No	Yes	Yes	Yes	Yes
Compression	No	No	Yes	Yes	Yes	Yes
Availability	Now	Now	Now	Now	Now	Now



Pipeline Family

Comprehensive Competitive Analysis

<http://home.ascend.com/mktg/library/competitive/pipeline.pdf>