

Ascend

Product Update

Pipeline 220

The Ascend Pipeline® 220 offers open WAN-to-LAN access and comprehensive security options in a single, compact and affordable unit. It is ideal for corporations and medium to large companies who want to permit the outside world access to their Web servers, ftp sites and other "public" resources while maintaining a high level of security for their enterprise network. The Pipeline 220 features an unchannelized T1/FT1 (or E1) or high-speed serial V.35 (RS-449) WAN interface and dual 10Base-T Ethernet LAN ports that can be protected by a variety of software-configured security options.

It is the first product in the Ascend family that fully supports the recently announced SecureConnect™ integrated security features. Features such as multiprotocol routing, Network Address Translation (NAT), DHCP server spoofing, optional Secure Access™ Firewall with IPsec encryption, optional DRAM and flash memory upgrades, and optional VPN tunneling make the Pipeline 220 a comprehensive solution for medium to large businesses, Internet Service Providers and major corporations.

Pipeline 220 Applications

The Pipeline 220 offers multiprotocol routing with optional VPN tunneling and Secure Access Firewall with IPsec encryption. One possible configuration would implement Ethernet #1 as "open" to allow users through the Internet to access Web sites and ftp services while Ethernet #2 is protected with Ascend's Secure Access Firewall with IPsec encryption and VPN tunneling.

Market Positioning

Before the introduction of the Pipeline 220, network administrators were forced to use products by multiple (sometimes disparate) vendors to achieve the iron-clad security and multiple functions now found in the Ascend solution. Separate routers, firewall products, encryption schemes and tunneling algorithms were deployed – sometimes with extremely limited success. The Pipeline 220 combines the best of all worlds in a single-vendor, compact, easy-to-manage and cost-effective platform. The Pipeline 220 comes complete with an integrated CSU/DSU on its T1/FT1 WAN interface, dual Ethernet ports, optional Secure Access Firewall with IPsec encryption, optional VPN tunneling as well as optional IPX and AppleTalk routing. The modular hardware design allows end-users to upgrade system flash and DRAM memory by adding PCMCIA or 8-pin single-height memory cards that are also supplied by Ascend — maintaining a single-vendor, all encompassing solution.

The Pipeline 220 will be most often used by medium to large companies, major corporations and Internet Service Providers (ISPs) who want to provide both open and secure connections to multiple Ethernet LAN segments. The integrated unchannelized T1/FT1, E1 or V.35 interfaces allow for PPP or Frame Relay WAN connections to the Internet or remote sites. With optional Secure Access Firewall including IPsec encryption, VPN tunneling protocols (ATMP, PPTP, L2TP and L2F), and optional IPX/AppleTalk routing, network administrators can focus their time on real mission-critical tasks without worrying about the security and integrity of their networks.



Features

- Integrated T1 or E1 and V.35 (RS-449) interfaces: Software configure either T1 (E1) or high-speed serial
- Optional Secure Access Firewall: A dynamic "stateful inspection" firewall integrated with the Pipeline – no need for another vendor's expensive alternative. The firewall includes standards-based IPSec encryption
- Optional VPN Tunneling: Tunnel through the Internet securely with ATMP, PPTP, L2TP or L2F
- Multiprotocol routing: Simultaneously route IP, IPX and AppleTalk
- BCP standard bridging: All bridgeable protocols are supported in conjunction with multiprotocol routing or it acts as a bridge only.
- Dual Ethernet LAN interfaces: Dual integrated 10Base-T Ethernet ports allow for varying hardware and software configurations
- Network Address Translation: Choose between "one-in" to "many-out" TCP/IP NAT or one-to-one exchange via a DHCP server
- DHCP Server Spoofing: Leave all your workstations setup as DHCP clients — the Pipeline can assign them all temporary TCP/IP addresses for use during each individual session
- SNMP: MIB II support
- Telnet: Either directly to the Pipeline for monitoring/diagnostics or from the terminal server interface to a remote location

Product Information

New feature requests: prod-mgmt@ascend.com

Collateral and product information: info@ascend.com

Information on the World Wide Web: <http://www.ascend.com>

Pipeline 220 Models and Pricing

Product Description	U.S. List Price	Model Number
Pipeline 220 with T1 / V.35	\$2,995	P22-T1-V35
Pipeline 220 with E1 / V.35	\$2,995	P22-E1-V35
Secure Access Firewall optional software	\$2,000	P22-SO-ASA
VPN Tunneling optional software	\$1,500	P22-SO-VPN

Availability

The Pipeline 220 may be ordered immediately with shipments 30 days ARO.

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