AP2801 ATM Router
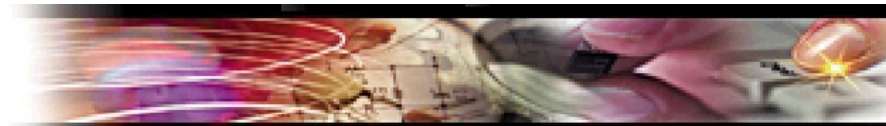## High-performance, Multi-Purpose Router

PassFinder AP2801 ATM Router

PassFinder AP2801 ATM router provides high-performance ATM-to-LAN solution with IP-routing connectivity for small enterprise, government and other public offices as well as Internet game room and Internet based cyber apartment. Moreover, PassFinder AP2801 ATM router is able to guarantee almost 100% line utilization with E1/T1(2,048/1,544Mbps) data networking speed for high-speed Internet connectivity via ATM-to-LAN Routing.

In addition, an AP2801 ATM router supports various ATM protocols such as PPP, Frame-Relay, HDLC, including Static, RIP v1/2, OSPF v2 routing protocols and network management features such as SNMP MIB v2, CLI, etc. This router is typically fixed configuration with the following interface: 10/100Mbps fast Ethernet, synchronous serial ports (V.35 serial interface), asynchronous serial Port for console.
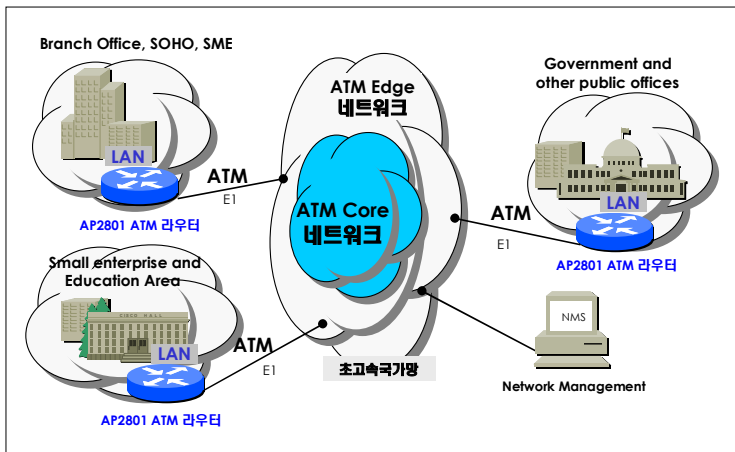
APOS Internetworking Software for AP Router

AddPac PassFinder Operating System (APOS) is best router software to provide scalability, reliability, stability, and QoS for internetworking solutions. APOS also provides optimized performance and industry standard network functionality with easy-to-use, easy-to-installation, and maintenance.

The AP2801 ATM router provides best price-performance ratio and effective networking solution for customer satisfaction.

Product Highlights

- Standard ATM-to-LAN Router for Data Networking Applications
- Multi-protocol Routing Solutions between ATM and LAN Access
- High-end 64bit RISC Microprocessor Architectures
- Fixed a Single Fast Ethernet & ATM Port for E1/T1 Data Link
- AddPac APOS Internetworking Software to provide Scalability, Functionality, Stability, and QoS Control for Real-Time Traffic
- High-performance IP-Routing Capability with Reliability
- Static, RIP v1/2, and OSPF v2 Routing Protocols
- Provides ATM Services such as various Traffic Types, ATM Signaling, Traffic Managements, and Interworking Features
- Supports SNMP MIB v2 for Network Management Features
- Standard & Extended Access List for Security Functions
- Supports Traffic Queuing
- Essential Scalability Features such as DHCP Server & Relay, NAT/PAT, IEEE Transparent Bridging, IP Accounting, and Debugging/Diagnostics, etc.
- Supports Cisco Style Command Line Interface
- Remote Software Upgrade using FTP & TFTP
- Standard 19" Rack Mountable Chassis

Network Diagram Using AP2801 ATM Router

Branch Office, SOHO, SME
LAN
ATM
E1
AP2801 ATM 라우터

ATM Edge 네트워크

ATM Core 네트워크

Government and other public offices
LAN
ATM
E1
AP2801 ATM 라우터

Small enterprise and Education Area
LAN
ATM
E1
AP2801 ATM 라우터

초고속국가망

NMS
Network Management

Hardware Specification

Microprocessor
- CPU   64bit RISC Microprocessor

Memory
- Flash Memory   4Mbyte
- Main Memory   16M bps High-Speed SDRAM
- Data Access Memory   8Mbyte High-Speed SDRAM
- Boot Memory   512Kbyte Flash Memory

Network Interface
- Fixed WAN Port   One(1) E1/T1 Serial Port
- Fixed LAN Port   One(1) 10/100Mbps Ethernet
- Console Port   One(1) RS-232C Interface

Power & Operation Environments
- Power Requirement   VAC 110~220V, 50/60Hz, 15Watt
- Operating Temperature   0°C to + 45°C (32° to 112°F)
- Storage Temperature   -40°C to + 85°C (-40° to 176°F)
- Relative Humidity   5% to 95% (Non-condensing)

Dimensions
- H X W X D (mm)   44mm X 444mm X 220mm
  (19" Rack Mountable Chassis)
- Weight(Kg)   2.7Kg

Support Protocols & Services

IP Routing Protocols
- Static, RIP v1/v2, OSPF v2, and IEEE 802.1Q VLAN Routing

ATM Services
- ATM Classes of Service Support
  - ATM PVCs Service
  - CBR, rt-VBR, nrt-VBR, UBR, and UBR+ Support
  - AAL0 ,AAL5 Support for Data, Voice, and Video Service
- ATM Forum, ITU-T Standard Compliant
  - ATM UNI 3.0, 3.1 and 4.0 Signaling Protocol Support
- ATM Traffic Management Support
  - Traffic Shaping, OAM F4(VPC), and F5(VCC)
- ATM Encapsulation, Interworking Feature
  - IPoA, PPPoA and PPPoE Support

Network Managements
- Traffic Queuing
- Standard SNMP Agent (MIB v2) Support
- Remote Management using Console, Rlogin, Telnet
- Web based Managements using HTTP Server

Security Functions
- Standard & Extended IP Access List
- Access Control and Data Protections
- Enable/Disable for Specific Protocols
- Multi-Level User Account Management
- Auto-disconnect for Telnet/Console Sessions
- PPP User Authentication Supports
  - Password Authentication Protocol (PAP)
  - Challenge Handshake Authentication Protocol (CHAP)

Operation & Managements
- System Performance Analysis for Process, CPU, Connection I/F
- Configuration Backup & Restore for APOS Managements
- Debugging, System Auditing, and Diagnostics Support
- System Booting and Auto-rebooting with Watchdog Feature
- System Managements with Data Logging
- IP Traffic Statistics with Accounting

Other Scalability Features
- DHCP Server & Relay Functions
- Network Address Translation (NAT) Function
- Port Address Translation (PAT) Function
- Transparent Bridging (IEEE Standard) Function
  - Spanning Tree Bridging Protocol Support
  - Remote Bridging Support
  - Concurrent Routing and Bridging Support
- System Managements with Data Logging
- Cisco Style Command Line Interface (CLI)
- Load Balancing Support
- Network time Protocol (NTP) Support
- Remote Upgrade for APOS Management using FTP/TFTP

Ordering Information
- AP2801-01 : AP2801 ATM Router Standard Configuration
  - One(1) E1/T1 ATM Port,One(1) Fast Ethernet, Console
  - 64bit RISC CPU, 4MB Flash, 16MB SDRAM,
    8MB ATM Dedicated SDRAM, 512K Boot Loader
  - APOS v1.xx with Operation Manual
  - Including CAB-LAN, CAB-CON
- CAB-LAN : RJ45 Ethernet Cable
- CAB-CON: RJ45 RS-232C Console Cable

Contact Information

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