

AP2830 Multiservice Router

High-performance, Multiservice Routing Solution

AddPac



Product Highlights

PassFinder AP2830 Multiservice Router

PassFinder AP2830 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. This router guarantees best-efficient line utilization as E1/T1 ATM Interface is used.

And this equipment is designed as form of One(1) network interface module slot and Two(2) multiservice I/O slots, so this router system can be used in various WAN environment using network interface cards according to network configuration. Also multiservice I/O slots provide the various multimedia solutions such as VoIP and Video Conference. In addition, A2850 router supports various WAN protocols such as Frame-Relay, HDLC, IPOA, PPPoA, H.323 including Static, RIP v1/2, OSPF v2 routing protocols and network management features such as SNMP MIB v2, web based management, CLI, etc.

PassFinder AP2830 router is designed to have users the greatest satisfaction with remarkable price versus performance.

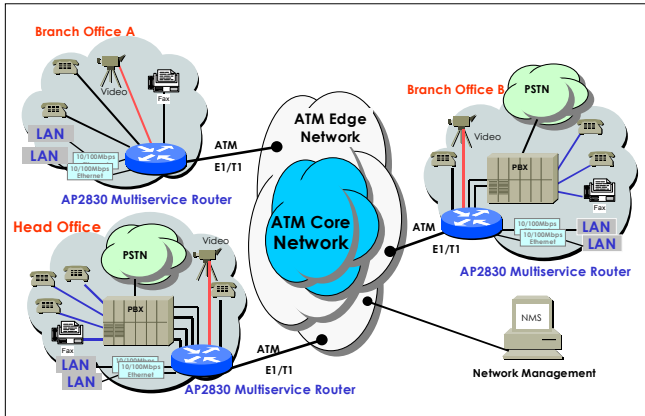
APOS Internetworking Software for AP Router

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 AP2830 Multiservice Router provides **best price-performance ratio** and **effective voice & data networking solution** for customer satisfaction.

- High-end 64bit RISC Microprocessor Architecture
- High-performance Network Modular Architecture
 - One(1) Network Interface Slot
 - Two(2) Multiservice I/O Slots
- Standard ATM-to-LAN Router for Data Networking Applications
- Standard ATM-to-LAN VoIP Router for Data Networking Applications
- Multi-protocol Routing Solutions between ATM and LAN Access
- FXS, FXO, E&M and Digital E1/T1 Voice I/O Module
- V.35 Interface Multiservice Module for Frame Relay-ATM Interworking
- Multi-protocol Routing Solutions between WAN and LAN Access with H.323 based VoIP Protocol
- ITU-T H.323 v3 VoIP Protocol with ITU-T H.235 Security Feature
- SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- H.323 and SIP dual stack support
- G.723.1, G.729A, G.711 Voice Compressions
- Support Voice Processing Features
 - VAD, DTMF, CNG, G.168, and T.38 G3 Fax Relay
- AddPac APOS Internetworking Software to provide Scalability, Functionality, Stability, and QoS Control
- Static, RIP v1/2, OSPF v2 and IEEE 802.1Q VLAN Routing Protocols
- Provides ATM Services such as various Traffic Types, ATM Signaling, Traffic Managements, and Interworking Features
- Traffic Queuing, SNMP MIB v2 for Network Management Features
- Standard & Extended Access List for Security Functions

Network Diagram Using AP2830 Multiservice Router



Hardware Specification

Microprocessor

- CPU 64bit RISC Microprocessor

Memory

- Flash Memory 4/8Mbyte
- Main Memory 32/64M bps High-Speed SDRAM
- Boot Memory 512Kbyte Flash Memory

Network Interface

- Fixed LAN Port Two(2) 10/100Mbps Ethernet Interface
- Fixed Async Serial Port Two(2) Asynchronous Serial Interface
- (Option) E1/T1 Port One(1) E1/T1 ATM Interface

Multiservice Network Modules

- FXS Voice Module 4 Port FXS Voice Interface
- FXO Voice Module 4 Port FXO Voice Interface
- E&M Voice Module 4 Port E&M Voice Interface
- FXO&FXS Voice Module 2 Port FXO&2 Port FXS Voice Interface
- Digital E1/T1 Module 1 Port Digital E1/T1 Module(ISDN-PRI)
- F/R Network Module 1 Port Frame-Relay Network Module

Power & Operation Environments

- Power Requirement VAC 110~220V, 50/60Hz, 15Watt
- Operating Temperature 0°C to + 50°C (32° to 122°F)
- Storage Temperature -40°C to +85°C (-40° to 185°F)
- Relative Humidity 5% to 95% (Non-condensing)

Dimensions

- W X D X H (mm) 435mm X 248mm X 43mm
- Weight(kg) 4.45(kg)

Support Protocols & Services

IP Routing Protocols

- Static, RIP v1/v2, OSPF v2, OSPF v2 Routing
- Transparent Bridging (IEEE Spanning Tree Protocol)

ATM Services

- Standard Single E1/T1 ATM Service
- ATM Classes of Service Support
 - ATM PVCs and SVCs Service
 - CBR, rt-VBR, nrt-VBR, UBR, and UBR+ Support
 - AAL0, AAL5 and AAL2 Support for Data, Voice, and Video Service
- ATM PVC UNI 3.0, 3.1 and 4.0 Support
- ATM Traffic Management Support
- ATM Encapsulation, Interworking Feature
 - IPoA, PPPoA and PPPoE Support

Frame-Relay Service

- Frame-Relay PVC Protocol (FRF.5, FRF.8) and V.35 Interface
- Multimedia Video Conference Solution

Digital E1/T1

- Voice 30 Channel, ISDN-PRI Protocol, and R2 signaling Support

Voice over IP Service

- ITU-T H.323 v3 VoIP Protocol with ITU-T H.235 Security Feature
- SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- H.323 and SIP dual stack support
- G.723.1, G.729.A, G.711 Voice Compressions
- Voice Processing Features Supports
 - VAD, DTMF, CNG, G.168 and T.38 G3 FAX Relay
- ITU-T H.323 Gateway, Gatekeeper Support
- Enhanced QoS Management Features for Voice Traffics

Network Managements

- Standard SNMP Agent (MIB v2) Support
- Traffic Queuing and Frame-Relay Flow Control
- Remote Management using Console, Rlogin, Telnet
- Web based Managements using HTTP Server

Security Functions

- Standard & Extended IP Access List
- 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)

Other Scalability Features

- DHCP Server & Relay Functions
- Network Address Translation (NAT) Function
- Port Address Translation (PAT) Function
- Cisco Style Command Line Interface(CLI)
- Network time Protocol(NTP) Support
- Remote Upgrade for APOS Management using FTP/TFTP

Ordering Information

- AP2830-01 : AP2830 Multiservice Router Standard Configuration
 - One(1) Network Interface Slot, Two(2) Multiservice I/O Slots
 - 64bit RISC CPU, 8MB Flash, 32/64MB SDRAM
 - APOS v5.xx with Operation Manual, Dual Power Supply Unit
 - Including CAB-LAN, CAB-CON
- AIM-1E1-ATM : One(1) E1 ATM, Fixed Two(2) Fast Ethernet, Console and Fixed One(1) Async Serial AUX Interface
- AIM-2E1-ATM : Two(2) E1 ATM, Fixed Two(2) Fast Ethernet, Console and Fixed One(1) Async Serial AUX Interface
- AIM-2FE-LAN : Two(2) Fast Ethernet, Console and Fixed One(1) Async Serial AUX Interface
- 2800-1V35FR : One(1) Frame-Relay Network Module
- 2800-1PBXE1 : One(1) PBX E1/T1 Network Module
- 2800-4FXS : Four(4) FXS Voice Interface Module
- 2800-4FXO : Four(4) FXO Voice Interface Module
- 2800-4E&M : Four(4) E&M Voice Interface Module
- 2800-2FXO2S : Two(2) FXO& Two(2) FXS Voice Interface Module
- CAB-V35 : V.35 DTE Cable
- CAB-LAN : RJ45 LAN Cable
- CAB-CON : RJ45 Serial Console Cable

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