

AP2502N WAN Router High-performance, Compact Design



PassFinder AP2502N WAN Router

PassFinder AP2502N dedicated line router provides high-performance IP-routing connectivity for small enterprise, government and other public offices as well as Internet game room and Internet based cyber apartment. Moreover, PassFinder AP2502N 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 WAN-to-LAN Routing.

In addition, AP2502N router supports various WAN protocols such as X.25, PPP, Frame-Relay, HDLC, including Static, RIP v1/2, OSPF v2 routing protocols and network management features such as SNMP MIB v1/2, CLI, NDP(Network Discovery Protocol), etc. This router is typically fixed configuration with the following interface: 1-Port 10/100Mbps fast Ethernet for LAN, 1-Port 10Mbps Ethernet Interface for WAN, synchronous serial ports (V.35 serial interface), RS-232C 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.

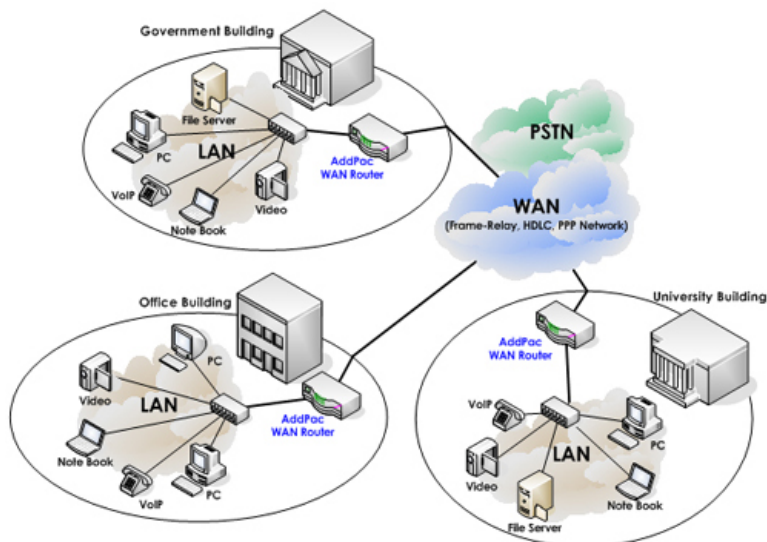
The AP2502N WAN router provides **best price-performance ratio** and **effective networking solution** for customer satisfaction.

AddPac

Product Highlights

- Standard WAN-to-LAN Router for Data Networking Applications
- Multi-protocol Routing Solutions between WAN and LAN Access
- Powerful 32bit RISC Microprocessor Architectures
- 2-Port 10/100Mbps Fast Ethernet for LAN Service Support (RJ45)
- Dual V.35 Serial Ports for E1/T1 Data Link
- AddPac APOS Internetworking Software to provide Scalability, Functionality, Stability, and QoS Control for AddPac Router
- Various Queuing and Traffic Control
- High-performance IP-Routing Capability with Reliability
- Static, RIP v1/2, RIPng, OSPF v2/v3, BGPv4 and IEEE 802.1Q VLAN Routing Protocols
- X.25, PPP, Frame-Relay & HDLC Protocols
- Traffic Queuing, F/R Flow Control, SNMP MIB v1/2 and NDP(Network Discovery Protocol) for Network Management Features
- Web based Management (GUI)
- Standard & Extended Access List for Security Functions
- Essential Scalability Features such as DHCP Server & Relay, NAT/PAT, IEEE Transparent Bridging, IP Accounting, and Debugging/Diagnostics, etc.
- Remote Software Upgrade using FTP & TFTP
- Cisco Style Command Line Interface(CLI)
- Standard 19" Rack Mountable Chassis

Network Diagram Using AP2502N WAN Router



Hardware Specification

Microprocessor

- CPU RISC Microprocessor

Memory

- Flash Memory 4Mbyte
- Main Memory 16/32M bps High-Speed SDRAM
- Boot Memory 512Kbyte Flash Memory

Network Interface

- WAN Port Two(2) E1/T1 Serial Port
- LAN Port Two(2) 10/100Mbps Fast 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 439mm X 207mm
(19" Rack Mountable Chassis)
- Weight(Kg) 3.5Kg

Support Protocols & Services

IPv4/IPv6 Dual Stack Routing Protocols

- Static, RIP v1/v2, RIPng, OSPF v2/v3, BGP4 and IEEE 802.1Q VLAN Routing

WAN Protocols

- X.25 Standard Protocol Support
- Point-to-Point Protocol(PPP)
- Frame-Relay PVC with Inverse ARP
- High-Level Data Link Control(HDLC) Protocol
- HDLC Encapsulation (Interoperability with CISCO HDLC)

Queuing and Traffic Control

- CBQ(Class-based Queuing), FIFOQ(First-In,First-Out Queue)
- PRIQ(Priority Queuing), HFSC(Hierarchical Fair Service Curve)
- RED(Random Early Detection), BLUE, JoBS,
- WFQ (Weight Fair Queuing)

QoS Routing

- Source Address based Routing
- DSCP based Routing
- Service Class based Routing,

Network Managements

- Standard SNMP Agent (MIB v1/2) Support
- NDP(Network Discovery Protocol) Support
- Traffic Queuing and Frame-Relay Flow Control
- Remote Management using Console, Rlogin, Telnet
- Web based Managements (GUI)

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)
- Network time Protocol(NTP) Support
- Remote Upgrade for APOS Management using FTP/TFTP

Ordering Information

- AP2502N-01 : AP2502 WAN Router Standard Configuration
 - Two(2) Serial(WAN),Two(2) Fast Ethernet, Console
 - RISC CPU, 4MB Flash, 16/32MB SDRAM
 - APOS v3.xx with Operation Manual
 - Including CAB-V35, CAB-LAN, CAB-CON
- CAB-V35 : V.35 DTE Cable
- CAB-LAN : RJ45 Ethernet Cable
- CAB-CON: RJ45 RS-232C Console Cable

Contact Information

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