
MP 1761/1762 Modular Security Router

The MP1760 Series modular security routers delivers high-performance, reliable and secure network or Internet access, designed especially for medium-to-small sized establishments and enterprise small branch offices, providing high quality and secure access of the network and internet for all business applications.

The modular structure of MP1760 provides various module configurations for different applications, thus offering convenience for users and flexibility to adapt to changing requirements to meet explicit business demands. Moreover, the rack-mounting MP1760 can also serve as an access router between LANs and multi-service applications.



Key Features

- High performance
- High-density ports
- Hardware encryption
- Support for virtual private network (VPN)
- Dial-on-demand and no-data hang-up
- Multiple processing mechanisms of network crises
- Excellent compatibility
- Unique multiplexer connection for access terminals
- QoS functions
- VoIP secondary dial
- Support for DLSw protocol
- Route transmission all-in-one
- Management of hierarchical and distributed Networks
- Production Configurations
- Product 10/100M Ethernet Console port Module slot SNA socket

Product	10/100M Ethernet	Console port	Module slot	SNA socket
MP1761	1	1	4	1
MP1762	2	1	4	1

Product features

High Performance

MP1760 series routers implement special CPU specializes in communication applications, which allows higher communication performances such as high throughput 60-70kpps.

Flexible network access

MP1760 provides a flexible, secure and cost-effective solution for various types of network connection and network access.

High-Density Ports

The default configuration of MP1762 router consists of one console port, two 10/100M Fast Ethernet ports and 4 slots of 0.5U multifunction interface module (MIM). It can simultaneously connect to sixteen ISDN BRI dial users, sixteen 2M synchronous/asynchronous serial ports, sixteen channeled/non-channeled CE1 ports, or ten 10/100M Fast Ethernet interfaces. MP1762 can also connect to DDN, FR and X.25 networks etc, allowing a high-density remote access that can be especially advantageous in complying with the increasingly varying applications in large-scaled branches.

Hardware encryption

MP1760 implements hardware encryption module for the IPSEC and PKI to guarantee secure network for data transmission. Moreover, it also provides various measures of general network security protocols, such as firewall, package filtering, NAT, AAA, RADIUS, routing authentication call-back and so on, offering users various security strategies to evade hostile attacks.

Supports VPN network

MP1760 series router can support standardized PPTP, L2TP and MPLS protocols and serve as a network server to PPTP and L2TP. This permits enterprises to discard expensive long-distance leased line and adopt the Intranet VPN to interconnect the distribution of networks through the Internet.

Dial-on-demand and no-data hang-up

MP1760 provides the perfect low-cost dial solution for users, who will find much convenience in the no-data-hang-up function. MP1760 also provides the users with the options to share physical interfaces of multiple dials through Dialler Pool and to implement different calling applications.

Multiple Processing Mechanisms of Network Crises

MP1760 provides backup in multiple forms. Its built-in MODEM serves as a dial backup during regular times, but at times of crises, it can switch to the remote configuration mode so that users can maintain high-reliability of network anywhere. The standard power supply module with CE authentication can guarantee protection from surge, high-voltage, low-voltage and high current producing stable and reliable output.

Excellent Compatibility

MP1760 router has excellent compatibility. It is fully compatible with the standard protocols of numerous widely used routers, with various expansion opportunities and superb adaptability.

Unique Multiplexer Connection for Access Terminals

Adopting the Fix Terminal Access technology originated by Atrie, together with built-in multiplexer, MP1760 can access terminals by means of combining with MP8100 or just through the IP network.

QoS functions

IP network could soon be required to provide QoS to satisfy the ever-growing business demands. MP1760 can provide guaranteed bandwidth, various network services, such as provision for congestion management strategies (e.g. PQ, CQ, CBWFQ and RSVP) WRED, congestion prevention strategies, CAR speed limit strategy and RSVP protocol. MP1760 offers a low-cost multifunction service platform for small-to-medium-sized enterprise applications.

VoIP Secondary Dial

MP1760 can provide various modules of IP telephones and support the "secondary dial" function; namely, users may dial initially through PSTN in the MP1760 IP gateway and then would be free to call any of the IP telephone terminals in the IP network. MP1760 can support the standard H.323 protocol stack and GK interface and can recognize interconnection and intercommunication with voice products of other manufacturers.

Support for DLSw Protocol

MP1760, currently used extensively in the financial business systems, is fully compatible with the DLSw PLUS protocol, connected via DLSw and LLC2 protocols, which are first realized in China by Atrie. MP1760 can also connect to ATMs and front-end-processors. Furthermore, MP1760 can recognize SNA protocol data unit in the IP network bridge (also first realized in China by Atrie), support for tunnel transmission and PU connection of QLLC, LLC2 and SDLC.

Route Transmission All-in-One

The all-in-one feature of MP1760 can bring many advantages such as automatically transferring data without external MODEM when the main lines, e.g. DDN, FR and etc, are broken down. MP1760 has built-in transmission modules of frequency-band 336/56K MODEM, base band 128K MODEM, ISDN and so on. The whole network site, composed of only a router and the network terminal facility, is very concise, greatly reducing equipment investment and probability of systems errors.

Hierarchical and Distributed Network Management

MP1760 supports three types of centralized network management modes (SHELL, WEB and SNMP). It implements across-platform large scale network management to offer the users trouble-free network configuration, network monitoring, statistics, accounting and maintenance of other ATRIE devices.

External Structure

MP1760 adopts the standard 19" anti-electromagnetic-radiation chassis, which can be placed on a standard rack. Due to its resistance to high/low temperature, anti-electromagnetic radiation and shockproof properties, MP1760 can perform with improved stability and reliability.

Product Specifications

FEATURES	DESCRIPTIONS
Processor	MPC8240 200MHz
Flash	8 MB
SDRAM	64 ~ 256 MB
Link Protocol	PPP, SLIP, SDLC,FR, LLC2, ISDN, X.25 ,HDLC, Ethernet_II , Ethernet_SNAP, 802.1Q
Network Protocol	TCP/IP, ICMP, UDP, FTP, TFTP, SNMP, TELNET, RLOGIN, DHCP, BOOTP, HTTP, DNS, ARP, RARP, DLSw
Routing Protocol	Static routing, RIPv1, RIPv2 , OSPF, BGP, DDR, IRMP, SNSP
Input Voltage	90~265V 50/60Hz
Power	48 W
Dimension	44mmx 444mmx390mm
Functional Temperature Range	0~40
Functional humidity Range	0~90 non-condensing

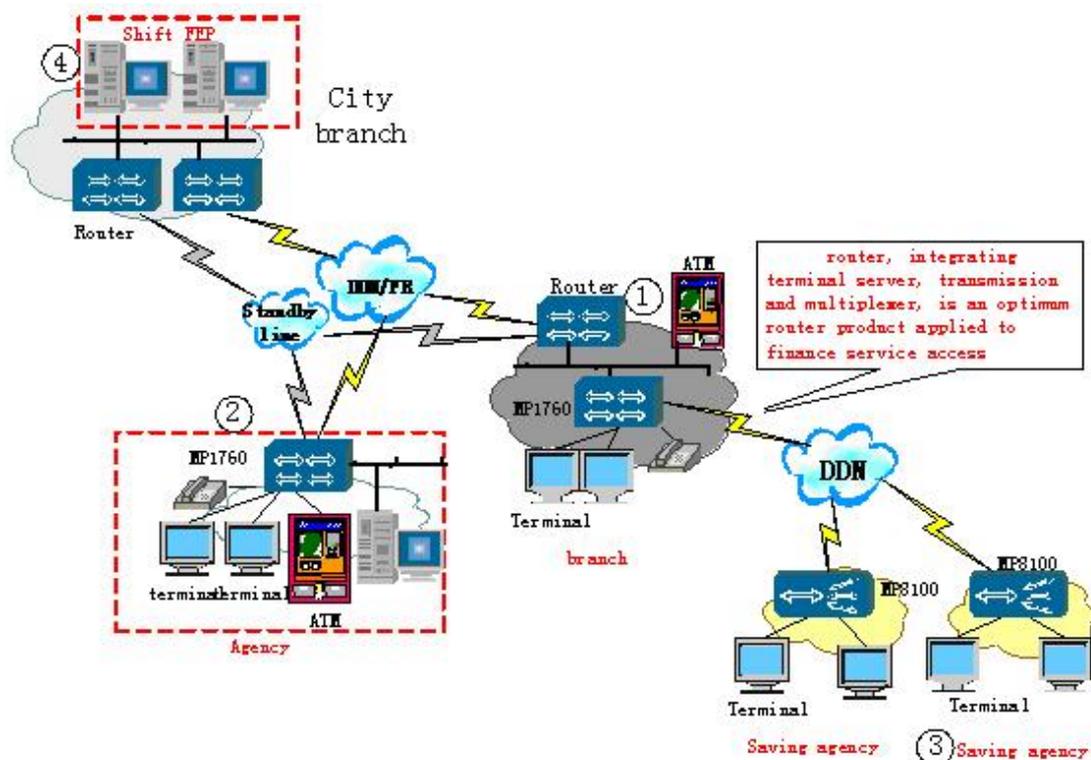
Order Information

Product model Description

Product model	Description
MP1761	Router4 module slots, 1 10/100M Ethernet port standard
MP1762	Router4 module slots, 2 10/100M Ethernet ports standard
RM2A-1FE	Single-port fast Ethernet module
RM2A-2FE	Dual-port fast Ethernet module
RM2A-1SA	Single-port high-speed synchronous/asynchronous serial-port module
RM2A-2SA	Dual-port high-speed synchronous/asynchronous serial-port module
RM2A-4SA	4-port high-speed synchronous/asynchronous serial-port module
RM2A-1CE1	Single-port channelized E1module
RM2A-2CE1	Dual-port channelized E1module
RM2A-4CE1	4-port channelized E1module
RM2A-1E1	Single-port non-channelized E1module
RM2A-2E1	Dual-port non-channelized E1module
RM2A-4E1	4-port non-channelized E1module
RM2A-1M128	Single-port Base band MODEM module
RM2A-4M128	4-port Base band MODEM module
RM2A-1U	Single-port ISDN U module
RM2A-4U	4-port ISDN U module
RM2A-1M336	Single-port frequency-band MODEM module
RM2A-4M336	4-port frequency-band MODEM module
RM2A-4A	4-port asynchronous serial-port module

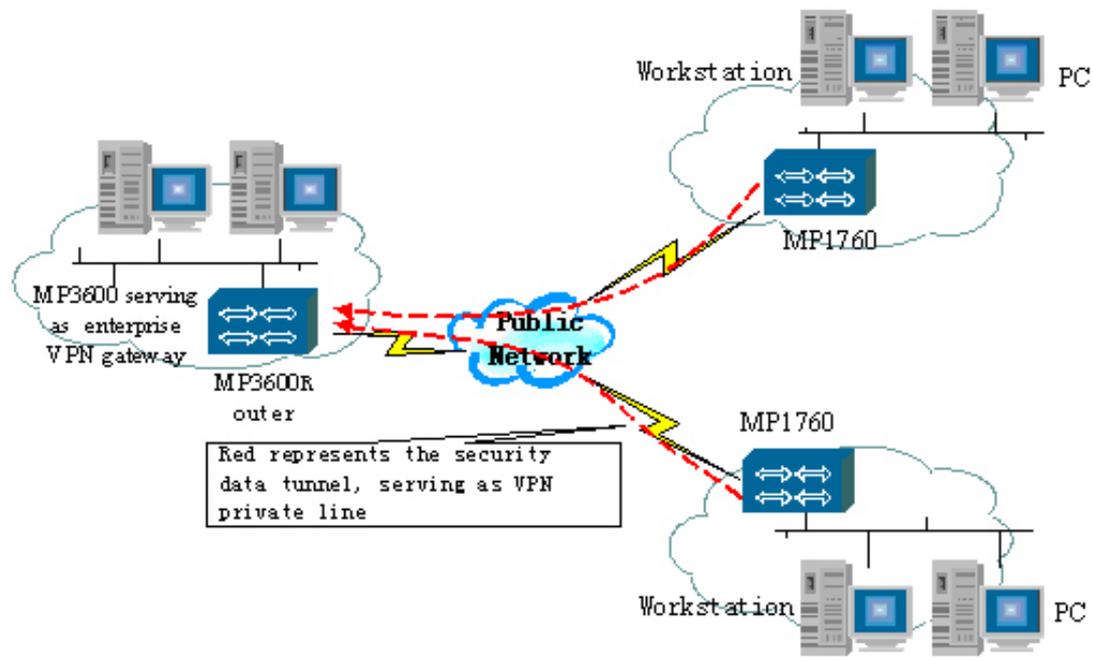
RM2A-8A	8-port asynchronous serial-port module
RM2A-16A	16-port asynchronous serial-port module
RM2A-4VOP	4-port IP telephone module
RM2A-8VOP	8-port IP telephone module
RM2A-4VOS	4-port IP telephone switch module
RM2A-8VOS	8-port IP telephone switch module
RM2A-8VOEM	8-port IP telephone E&M trunk module
RM2A-EN	Special hardware encryption module

Typical Application Financial Industry Network Access



The above configuration is a solution to a typical application of the financial business network access. MP1760 router connects branches and agencies to the city branch by using leased lines. Simultaneously MP1760, via the Fix Terminal Access technology, innovates the integration of multiplexer technology to connect the multiplexer and the router. This technology, presently available only in by Atrie, not only upgrades values of existing devices rapidly but also boosts the flexibility of the Atrie router, offering more straightforward network construction at a lower cost.

Typical Application VPN Security Access



MP1760 modular router adopts the use of VPN to connect the head offices and branches through public network. The hardware encryption module of router assumes the national encryption scheme to guarantee the reliability of network security. Hardware encryption improves the efficiency of both the router and the encryption processes and furthermore reduces the delay from the encryption/decryption processes

 Atrie Technology Pvt. Ltd.

Corporate office: Atrie House, # 591,3rd Block, Koramangala, Bangalore -560 034 India

Registered office: #417, International Trade Tower, Nehru Place, New Delhi – 110019

Regional office (West): #105, Gokul Arcade, Andheri East, Mumbai - 400057

Web: <http://www.atrindia.com>

Email: contacts@atrindia.com