



MP800 Series Router Datasheet

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MP800 Series Modular Multiservice Router

The MP800 series Modular Multiservice router is a small network access router. The series includes one model MP801E and provides robust and reliable features for WAN as small-end network access router.

The MP801E modular structure provides a cost-effective small network access solution for small branch office and SME.

MP801E incorporates the multi-service integration technology, which integrates routing, security, VoIP, transmission and network management. It supports VPN, MPLS, SNA/DLSw, VoIP applications, backup and QoS features. It applies to data, video and VoIP access solutions.

MP801E, combining with other Maipu series routers, can provide complete WAN network solution for finance, government, energy sources, traffic, education and military industries, SME (small/medium enterprise) and operators.



MP801E

Key Features

- High cost-effective
- Realizing routing, security, VoIP multi-service integration
- High expansibility, providing two interface slots to expand various WAN interfaces and VoIP
- Two 100M Ethernet ports to realize the isolation of OA and services
- Supports remote login configuration, realizing “zero-spot service”
- Providing rich software functions
- Supports IP-SLA features
- Adopts anti-static steel-shell design and the dissipating gap for dustproof
- Compatible with the main router supplier in the industry

Technical Specifications

Item	Description				
Configuration					
Product model	Console port	RM2 MIM slot	VoIP slot	Fixed Standard interface	SNA/IPSec jack
MP801E	1	1	1	2FE	1
Performance parameters					
Processor	High-speed PPC processor				
Flash	8MB/16MB				
Memory	Default 64MB				
Standards & protocols					
Link protocol	PPP, PPPoE, SLIP, SDLC, FR,ATM, LLC2, ISDN, X.25, HDLC, LAPB, Ethernet_II, Ethernet_SNAP, 802.1Q,MSTP,ISDN				
Network protocol	TCP/IP, ICMP, UDP, FTP, TFTP, SNMP, TELNET, RLOGIN, DHCP, DHCPv6,HTTP, DNS, DDNS,ARP, DLSw, DDR,NAT,NTP,IPFIX,IPv6				
Routing protocol	Static routing protocol, RIPv1, RIPv2, OSPF,OSPFv3, BGP, ISIS,NDSP, IRMP, SNSP, IGMP, DVMRP,MSDP, PIM-SM/DM/SDM/SSM, Policy route, VBRP, VRRP,MVPN				
Network security	PPP encryption, L2TP,L2TPv3, GRE, policy routing,802.1X, AAA, ACL, IPSec, IKE, PKI, CA, LDP, MPLS VPN, MPLS L2/L3VPN,MPLS TE,VPLS,SSH				
IP phone	H.323 protocol, H.225, H.245, RTP/RTCP, RTP condensation, T.38/T.30, G.711A/μ, G.729, G.729A/B, G.723.1 (5.3/6.3K),SIP				
QoS	FIFO, PQ, CQ, FQ, WFQ, CBWFQ, LLQ, RSVP, CAR, SPD, WRED, Traffic Shaping				
Physical indices					
Dimension (H x W x D)	44.5mm x 340mm x 230mm				
Weight	(Maximum) 2.5 Kg				
Power source					
Input voltage (AC)	Voltage: 100-240V Current: 1A Frequency: 50/60Hz				
Input voltage (DC)	Voltage: -40 ~ -57V Current: 1.5A				
Power consumption	15W				
Environment					
Temperature	0~40°C				
Humidity	10~90%. Non-condensing				

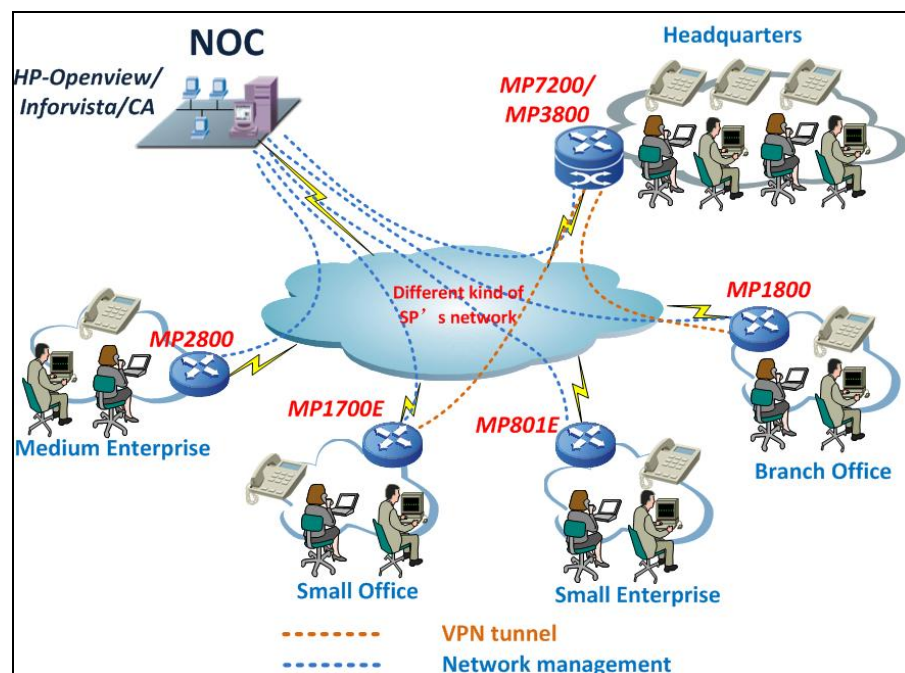
Order Information

Product model	Description
Chassis	
MP801E-AC	MP801E series router. One RM2 high-speed MIM slot, one VoIP slot, two 10/100M Ethernet interfaces, 8M Flash and AC power source
MP801E-A-AC	MP801E series router. One RM2 high-speed MIM slot, one VoIP slot, two 10/100M Ethernet interfaces, 16M Flash and AC power source
MP801E-DC	MP801E series router. One RM2 high-speed MIM slot, one VoIP slot, two 10/100M Ethernet interfaces, 8M Flash and DC power source
MP801E-A-DC48	MP801E series router. One RM2 high-speed MIM slot, one VoIP slot, two 10/100M Ethernet interfaces, 16M Flash and DC power source
MP801E-DC48B	MP801E series router. One RM2 high-speed MIM slot, one VoIP slot, two 10/100M Ethernet interfaces, 8M Flash and DC power source (adopt binding post)
High-speed MIM module	
RM2-1ETE	One-port 10M external Ethernet module
RM2-1SAE	One -port high-speed async/sync serial module
RM2-1M336	One -port 33.6Kbps frequency band MODEM module
RM2-1CE1	One-port channelized E1 module
RM2-1E1	One-port non-channelized E1 module
RM2-1U	One-port ISDN U module
RM2-1STA	One-port ISDN S/T module (suits for VoIP slot also)
VoIP module	
RM2-1VOP	One-port FXS module (Suits for RM2 MIM and VoIP slots)
RM2-2VOP	Two-port FXS module (Suits for RM2 MIM and VoIP slots)
RM2-1VOS	One-port FXO module (Suits for RM2 MIM and VoIP slots)
RM2-2VOS	Two-port FXO module (Suits for RM2 MIM and VoIP slots)
SNA/IPSec jack	
SNA	SNA chip
IPSec	IPSec chip
IPSec + SNA	IPSec chip + SNA chip

Typical Applications

Networking for Data Encryption of Branches

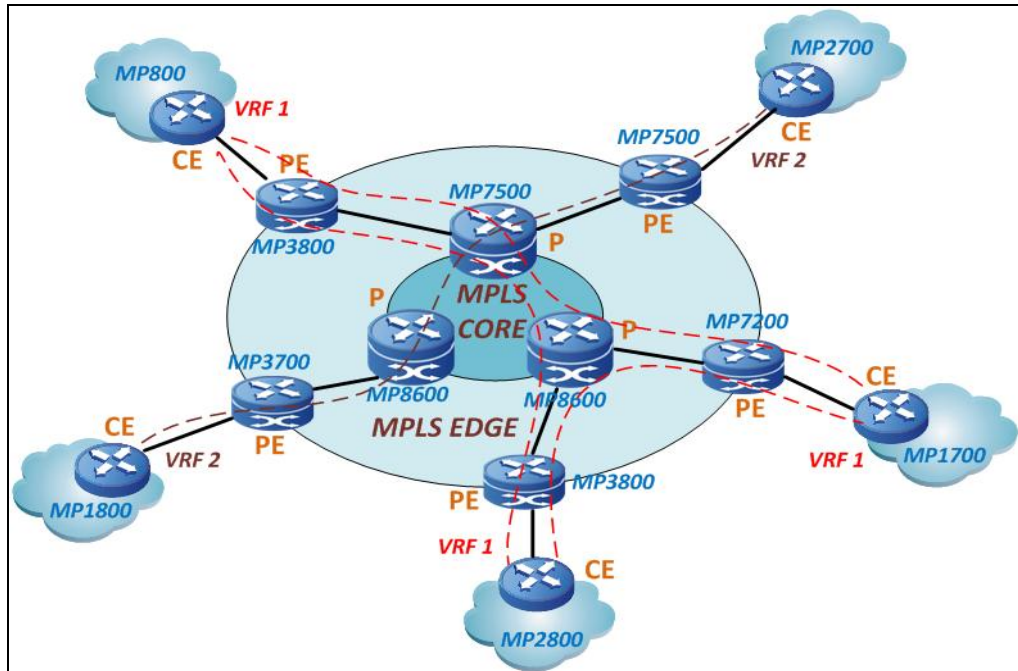
With the business expanding of the group company, the branches and small offices need to exchange information with the headquarters. The medium/low-end routers of Maipu serve as the access devices of the medium/small branches and can set up the security tunnel with the core router in the headquarters via the public network, ensuring the security and reliability of the company information and saving the costs of leased lines.



The headquarters adopts the medium/high-end routers of Maipu. With the high performance and high security of the router, and the VLAN isolation and 802.1X authentication technologies, the security access authentication for the intranet users can be realized.

The branches adopt the medium/low-end routers of Maipu as the access platform of VPN and IPSec.

MPLS VPN Solution



MAIPU routers support MPLS VPN and can be used as CE and PE equipment. MAIPU CE routers include MP800, MP1700, MP1800, MP2700, MP2800, MP3700, MP3800 and MP7200. MAIPU PE routers include MP2800, MP3700, MP3800, MP7200 and MP7500.

In MPLS VPN network, PE runs MPLS and PE router connects to VPN network via VRF. The CE equipments related to the same VPN tunnel can access each other.

MAIPU routers offer various WAN interfaces including E1, CE1, V.35, ISDN, PSTN and Ethernet. The operator can provide primary and secondary lines for enterprise customers simultaneously to enhance MPLS business quality.

Besides, by using MAIPU MPLS access solution, the operator can provide VoIP services without increasing any cost.