



# MP1700 Series Router Datasheet

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# MP1700 Series Modular Multiservice Router

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The MP1700 series modular multiservice router is a small network access router for connecting the small branches in WAN. The series comprises MP1700E router.

The MP1700E router adopts fixed and modular integration structure. It provides a robust and cost-effective router solution for customers. It offers adequate packet-forwarding capability and applies to small branch access and SME.

The MP1700E incorporates the multi-service integration technology, which integrates routing, security, VoIP, transmission and network management applications satisfying a variety of customer requirements. The router supports VPN, MPLS, SNA/DLSw, VoIP applications, backup and QoS features. It applies to data, video and VoIP access solutions.

MP1700E, 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.



MP1700E

# Key Features

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- 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				
<b>Product configuration</b>					
Product model	Console port	RM2 MIM slot	VoIP slot	Fixed Standard interface	SNA/IPSec jack
MP1700E	1	1	1	2FE + 1 Serial Interface	1
<b>Performance</b>					
Processor	High-speed PPC processor				
Flash	8Mbyte/16Mbyte				
Memory	Default 64Mbyte				
<b>Standards &amp; protocols</b>					
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				
<b>Physical index</b>					
Dimension (H x W x D)	44.5mm × 340mm × 230mm				
Weight	(Maximum) 2.5 Kg				
<b>Power requirements</b>					
Input Voltage (AC)	Voltage: 100-240V Current: 1A Frequency: 50/60Hz				
Input voltage (DC)	Voltage: -40 ~ -57V Current: 1.5A				
Power consumption	15W				
<b>Environment</b>					
Temperature	0~40°C				
Humidity	10~90% Non-condensing				

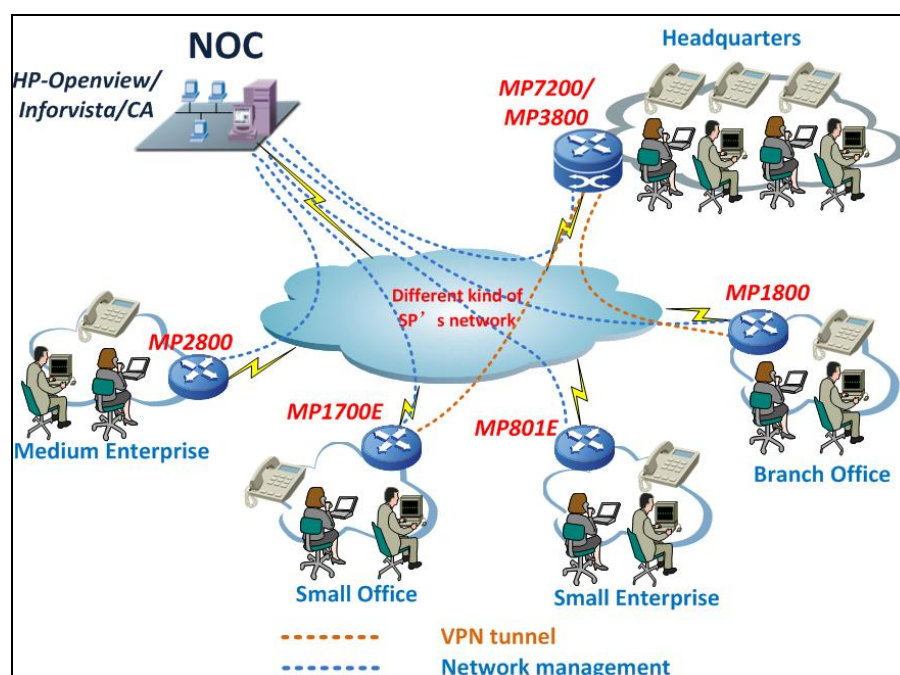
# Order Information

Product model	Description
<b>Chassis</b>	
MP1700E-AC	MP1700E series router, one RM2 high-speed MIM slot, one VoIP slot, one fixed high-speed sync/async serial interface, two 10/100M Ethernet interfaces, 8M Flash and AC power supply
MP1700E-A-AC	MP1700E series router, one RM2 high-speed MIM slot, one VoIP slot, one fixed high-speed sync/async serial interface, two 10/100M Ethernet interfaces, 16M Flash and AC power supply
MP1700E-DC	MP1700E series router, one RM2 high-speed MIM slot, one VoIP slot, one fixed high-speed sync/async serial interface, two 10/100M Ethernet interfaces, 8M Flash and DC power supply
MP1700E-A-DC	MP1700E series router, one RM2 high-speed MIM slot, one VoIP slot, one fixed high-speed sync/async serial interface, two 10/100M Ethernet interfaces, 16M Flash and DC power supply
<b>High-speed MIM module</b>	
RM2-1ETE	1-port 10M external Ethernet module
RM2-1SAE	1-port high speed async/sync serial module
RM2-1M336	1-port 33.6Kbps frequency band MODEM module
RM2-1CE1	1-port channelized E1 module
RM2-1E1	1-port non-channelized E1 module
RM2-1U	1-port ISDN U module
RM2-1STA	1-port ISDN S/T module (suits for VoIP slot also)
<b>VoIP module</b>	
RM2-1VOP	1-port FXS module (Suits for RM2 MIM and VoIP slots)
RM2-2VOP	2-port FXS module (Suits for RM2 MIM and VoIP slots)
RM2-1VOS	1-port FXO module (Suits for RM2 MIM and VoIP slots)
RM2-2VOS	2-port FXO module (Suits for RM2 MIM and VoIP slots)
<b>SNA/IPSec jack</b>	
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.

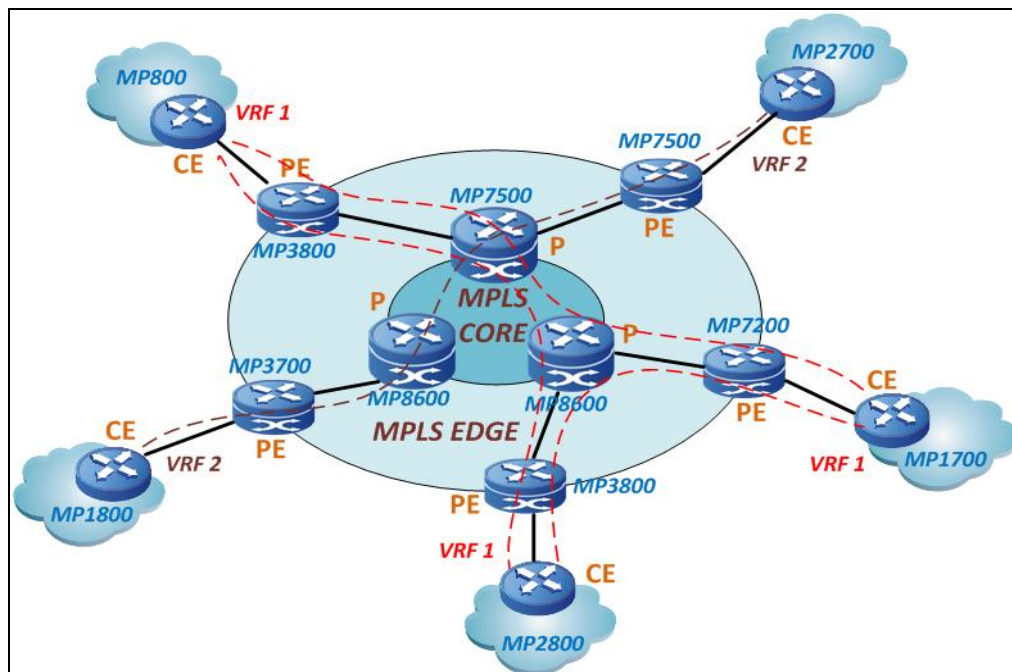


The headquarters adopts the medium/high-end routers of Maipu. With the high performance and high security of the router, and the VLAN isolation and 802.1X authentication technologies, the security access authentication for the intranet users can be realized.

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.