



MP1800-10 Datasheet

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Overview

MP1800-10 series 3G M2M gateway is developed by Maipu, applicable to the data transmission service under the environment that goes against the wired network. Adopt the 2G/3G high-speed wireless network as the data bearing network to provide the safe and high-speed wireless connection for the interconnection between the remote device and the sites. No matter where are you, your device can make use of GPRS/CDMA or 3G network to connect Internet or enterprise private network. MP1800 series wireless router meets the requirements of the industry users. It has the features of low power consumption, small dimension, and light weight. The operational temperature of the device is -25°C - +70°C. EMC is strict, so it is applicable to the strict and small industry environment and it is the ideal choice of the industry.

MP1800-10 provides the upgradeable wireless network platform. You can adopt the in-built 2G/3G module to share the 3G network provided by the local wireless carrier, making your device to connect the high-speed Internet or enterprise private network.

MP1800-10 has the VPN function and can be connected to the VPDN private channel of the enterprise based on 3G network. Meanwhile, the device data can be transmitted in the secure IPSec tunnel, preventing the data from being accessed and tampered and providing the higher security for the application over the network.

MP1800-10 supports various secure and reliable management methods, providing the simple and easy-to-use remote network management and SNMP remote management.

MP1800-10 supports WIFI (802.11b/g/n), open network, WEP/WPA/WPA2 authentication algorithm, and Radius authentication.

MP1800-10 supports 3G interface and Ethernet port as WAN port to connect Internet. 3G interface and Ethernet ports can back up for each other. 3G and Ethernet WAN ports both can serve as the master port. Ethernet WAN port supports static address, DHCP, and out-built ADSL access modes. The master/standby switching supports the failover is based on the link status and peer track IP.

Maipu offers the comprehensive network solution for the enterprise network application over 3G and can provide high-performance center LNS router and the core security router supporting large-capacity IPSec access, as well as the matched 3G device management system (E3G).

Key Features

- 3G and Ethernet WAN dual-line WAN access
- Connect the terminal via WLAN and LAN
- Small capacity, low power consumption, low noise, wide work voltage and work temperature
- Support the security functions, such as firewall, IPSec, and SIM card binding
- Support E3G management, convenient for the remote maintenance

Specifications

Product Model	MP1800-10	MP1800-10W	MP1800-10C	MP1800-10WG	MP1800-10WW
Memory	32MB				64MB
Flash	8MB				
3G mode	/	1*SIM card based WCDMA	1*SIM card based CDMA2000	1*SIM card based WCDMA	2*SIM card based WCDMA
Ethernet port quantity	5 (1WAN+4LAN)	5 (1WAN+4LAN)	5 (1WAN+4LAN)	5 (1WAN+4LAN)	5 (1WAN+4LAN)
GPS	N/A	N/A	N/A	support	N/A
Wifi	802.11b/g/n				
USB interface	One out-built USB interface				
Chassis material	Metal				
Installation	Indoor, communication machine/ATM machine with/without Security person, SME				
Noise standard	No-fan design, no noise				
Dimension	150mm×105mm×33mm				
(W × D × H)					
Input voltage (DC)	9V-36V Power Adaptor				
Max. power	10W				
Temperature	Long-term work temperature: -20°C-65°C				
	Short-term work temperature: -30°C-70°C				
	Storage temperature: -40°C-85°C				
Humidity	Work humidity: 10%-95% non-condensing				
	Storage humidity: 0%-95% non-condensing				
Software features					
Basic functions	3G, Ethernet dual-WAN access				
	Auto switch of master/slave line, switching detection based on link and IP				
	WIFI supports 802.11b/g/n				
VPDN networking	Support APN access; you can select carrier and set the user name, password and dialup string				
	PIN code management				
	Support CHAP/PAP/MS-CHAP/MS-CHAPV2				
	Link keepalive function				
	Dial on demand				
Management and	Support 2G, 3G network, support auto switching 2G/3G network				
	Support serial port, WEB, TELNET, and SSH configuration modes				

maintenance	Support the function of importing and exporting the configuration, which is convenient for the batch configuration for the device.
	SYSLOG log function, log classification
	SNMP network management functions
	The management user needs to log in with password and can modify password.
	Support version upgrade
	With wireless network signal indicator, showing the spot signal.
Network functions	Support route and NAT work modes
	Network address translation (NAT), port address translation (PAT) and port mapping
	Support static routing and RIP dynamic routing protocol
	Support dynamic domain name binding (DDNS)
	Support VRRP
	Support QoS
Security functions	Support IPSEC VPN and GRE
	Support DES, 3DES, AES, Blowfish encryption algorithm
	Status packet inspection (SPI), filter multicast, filter PING packets, prevent DoS attacks
	Support ACL
	Support IP+ MAC binding
Provide the binding function of the unique ID code of the SIM card (IMSI)	
Reliability	3G network auto recovery
	Power off the device and recover automatically

Order Information

Host model	Description
MP1800-10	1-port 10/100M WAN, 4-port 10/100M LAN, AC-12V DC power supply adaptor needed.
MP1800-10W	1-port 10/100M WAN, 4-port 10/100M LAN, external antenna with 3dbi gain, 1 SMA-J antenna interface for 3G, 1 SMA-J antenna interface for wifi, support WCDMA, AC-12V DC power supply adaptor needed.
MP1800-10C	1-port 10/100M WAN, 4-port 10/100M LAN, external antenna with 3dbi gain, 1 SMA-J antenna interface for 3G, 1 SMA-J antenna interface for wifi, support CDMA2000 EVDO, AC-12V DC power supply adaptor needed.
MP1800-10WG	1-port 10/100M WAN, 4-port 10/100M LAN, external antenna with 3dbi gain, 1 SMA-J antenna interface for 3G, 1 SMA-J antenna interface for wifi, support WCDMA, GPS supported, AC-12V DC power supply adaptor with square interface needed.
MP1800-10WW	1-port 10/100M WAN, 4-port 10/100M LAN, external antenna with 3dbi gain, 2 SMA-J antenna interface for 3G, 1 SMA-J antenna interface for wifi, support WCDMA, AC-12V DC power supply adaptor needed.
PS-India	India standard power supply adaptor
PS-America	America standard power supply adaptor
PS-UK	UK standard power supply adaptor
PS-Europe	Europe standard power supply adaptor
PS-Europe S	Europe standard power supply adaptor, square interface.