Mako 6500-M
Fast, flexible and secure Internet access.

Engineered to Perform
The 6500-M continues Mako's legacy of design innovation, building on the award-winning 6500 platform and incorporating new features that deliver fast, flexible and secure networks for businesses with small sites. With a sealed tamper-evident unit, no moving parts and high heat tolerance, the 6500-M adds 4G LTE, 1Gbps transfer speed technology, more wireless channels and four LAN ports.

PCI DSS-Certified
The entire Mako System – including the 6500-M, our wireless, Central Management System and software – is PCI DSS certified from end-to-end, providing peace of mind and security for businesses accepting credit cards. Retailers can even use Mako's secure wireless for tablet-based POS systems.

Centralized Logging/Reporting
Using a patented communications protocol, Mako 6500-M appliances securely send traffic information to the CMS every few minutes. This data is used to generate easy-to-understand graphical reports about the network, including data use by site, user and timeframe, intrusion attempts and Internet traffic records.

Fast LTE Failover
If enabled, the Mako 6500-M will automatically switch over to use LTE if the network connection drops, offering businesses continuity in the case of unexpected interruptions. This non-stop network feature provides high availability at a business-friendly cost. Where fixed-line connections are impractical, LTE can also be set as the primary connection method.

Embedded Wireless
The Mako 6500-M features single or dual-band wireless for customer hotspots or general business use, supporting up to four wireless networks in one appliance.

Flexible Connection Options
Mako 6500-M appliances provide WAN connectivity via Ethernet or VDSL/ADSL2+ at up to 1Gbit transfer speeds, and a fast and multi-carrier capable LTE connection. However your business connects to the Internet, Mako can protect it.

Quick and Easy to Deploy
Like all Mako appliances, the 6500-M automatically receives configuration information from the Mako CMS via the cloud, so sites are up and running quickly and easily.

24/7 Technical Assistance
Our friendly helpdesk staff are available around the clock to help keep your business running.
Hardware

LAN Interface
4 x Ethernet RJ45 10/100/1000 Mbps ports. Auto crossover

WAN Interface
Ethernet: 1 x RJ45 10/100/1000 Mbps port. Auto crossover
DSL: 1 x RJ11 ITU G.992 port, ADSL2+, VDSL, half or full
duplex, supporting 1GBit/s transfer.

Power Supply
External 100/240 V AC Input (50 or 60 Hz). 12 V DC output

USB Port
For support functions (i.e. manual configuration)

Chassis Dimension
8.58L x 8.58W x 1.57H in (218L x 218W x 40H mm)

Operating Temp.
41—104° F
(5—40° C)

Humidity
10% to 90% relative, non-condensing

Hardware VPN Encryption
Supported

Power Consumption
10W - Typical

Wireless

Channels
2.4 / 5 GHz; Four guest networks supported

Supported Standards
802.11 b/g/n

Bandwidth
Up to 300 Mbps per channel

Security
WPA2™ Personal*

Frequencies
802.11b/g:
2.412 GHz - 2.472 GHz
802.11n HT20:
2.412 GHz - 2.472 GHz
802.11n HT40:
2.422–2.462 GHz
5.18–5.825 GHz

Other
Integrated access point scanning
Wireless Multimedia (WMM)
QoS

Output Power
< 100 mW (e.i.r.p.)

Cellular

Protocols
USA
LTE: 1900(B2), AWS(B4), 850(B5), 700(B13), 700(B17),
1900(B25)

Modem: MC7355

AUS/NZL/GBR
LTE: 2100(B81), 1800(B3), 2600(B7), 900(B8), 800(B20)

Modem: MC7304

Compliance

Network Protocols
PPP over Ethernet (RFC 2516 PPPoE)

Electromagnetic Compliance
EN55022 – CSPIR 22 Class B (EMC)
EN55024 – CSPIR 24 (Immunity)
FCC Part 15 Class B

Wireless Compliance
EN 300328

Safety Standards
CB, IEC 60950, EN 60950 & AS/NZE 60950

NZ Telecoms
PTC 257 (3G)

Environmental
Lead-free and RoHS compliant

Firewall
Stateful Packet Inspection

Model Variations

6500-M
Single-band wireless (802.11 b/g)

6500-MW2
Dual-band wireless (802.11 b/g/n)

6500-M/LTE
Single-band wireless (802.11 b/g) + LTE Cellular WAN

6500-MW2/LTE
Dual-band wireless (802.11 b/g/n) + LTE Cellular WAN

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