



Mako 6500-M

Fast, flexible and secure Internet access.

At a Glance

ADSL, ADSL 2+, VDSL, Ethernet, LTE
 Four x 1 Gbit LANs; Four Wireless SSIDs
 PCI DSS Certified

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.



Easy Virtual Private Networks

Remote locations connected by Mako appliances can be linked in seconds by three easy mouse clicks in the CMS, all without requiring static IP addresses. Each Mako 6500-M can simultaneously link up to 30 external VPNs.



Simple Troubleshooting

A color-coded LED panel on the Mako 6500-M provides Internet and network connection information at a glance. For non-technical users, this makes it easy to quickly diagnose network issues.



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.



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.



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.
Dial-up: DSL port

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

VPNS

Total: 30

20 IPSec (Rated maximum)

10 PPTP (Rated maximum)

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 GHz - 2.462 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(B1), 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/NZS 60950

NZ Telecoms

PTC 257 (3G)

Environmental

Lead-free and RoHS compliant

Firewall

Stateful Packet Inspection

Model Variations

6500-MW1

Single-band wireless (802.11 b/g)

6500-MW2

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

6500-MW1/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



* WPA2 is a trademark of the Wi-Fi® Alliance.

Contact Mako Networks

Ph. +1 888 777 5413

E. ussales@makonetworks.com

W. makonetworks.com

