



# Mako 6500-E Series

Secure Internet Access, Control and Reporting

## An award-winning network appliance.

The Mako 6500-E is an award-winning network security appliance for small sites and businesses that access the Internet via an Ethernet connection. Some models of the 6500-E also feature an additional 3G connection, allowing businesses the option to connect to the Internet using a wireless signal if an Ethernet network is not available. The Mako 6500-E incorporates a powerful firewall independently certified by ICSA Labs for network security, complemented by a host of technologies designed to help protect businesses that process, store or transmit credit card data.

### Complete Security

Mako 6500 appliances employ a range of industry-leading security technologies, such as a stateful inspection firewall, port scanning protection, worm detection, AES 128-bit encryption for Virtual Private Networks (VPNs), and support for Point-to-Point Tunneling Protocol (PPTP) remote network access.

### PCI DSS Certification

Any business that processes, stores or transmits credit card data must meet security requirements set up by the credit card companies to help reduce fraud, known as the Payment Card Industry Data Security Standards (PCI DSS).

The Mako 6500-E is specially built with the PCI DSS in mind, allowing businesses to quickly and easily lock down computer and payment networks.

Mako Networks was the first company in the world to hold a Level 1 PCI DSS certification for network management, the highest level of certification available.

### Easy to Deploy

Like all Mako appliances, the 6500-E automatically receives configuration information from the Mako Central Management System (CMS) via the cloud, so there's little to set up besides plugging in power and network cables.

### Easy Setup Virtual Private Networks

External networks connected by Mako appliances can be linked to the Mako 6500-E in seconds by three easy mouse clicks in the CMS, without requiring static IP addresses. Each 6500-E can simultaneously link up to 20 external VPNs.

The Mako 6500-E can also connect to third-party equipment and firewalls.

### Centralized Logging/Reporting

Mako 6500-E appliances securely send traffic information back to the CMS every few minutes. This data is used to generate easy-to-understand graphical reports about network usage, including data use by site, user and timeframe, real-time reporting of intrusion attempts, and records of Internet traffic. Based on this information, the CMS can also send proactive alerts regarding data usage, device temperature, worm detection, and more.

### Integrated Router

The Mako 6500-E incorporates a fully featured TCP/IP router to provide access to the Internet, connecting via Ethernet at speeds up to 100 Mb per second.

### 3G Failover

As an additional connection option, the Mako 6500-E is available with a 3G wireless connection, capable of being used as a 'failover' option in case the primary Ethernet connection goes down. The Mako 6500-E/3G will automatically switch over to use mobile data if the network connection drops, offering businesses continuity in the case of unexpected interruptions.

In areas where Ethernet connections are not available, or in remote locations, 3G can also be set as the primary connection method.

### Simple Troubleshooting

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

When technical support is needed, helpdesk technicians use the CMS to view and control appliance status, connections and configuration, making it easy to troubleshoot and resolve issues without the need for site visits.

**Hardware Specifications**

LAN Interface	2 x Ethernet RJ45 10/100Mbps ports. Auto crossover.
WAN Interface	1 x Ethernet RJ45 10/100Mbps port. Auto crossover.
Power Supply	External 100 or 240VAC Input (50 or 60Hz). 12VDC output.
USB Port	For support functions (i.e. manual configuration).
Chassis Dimension	Length: 8.58 inches (218mmn) Width: 8.58 inches (218mm) Height: 1.57 inches (40mm)
Operating Temperature	41° F to 104° F 5° C to 40° C
Humidity	10% to 90% relative, non-condensing
Hardware VPN Encryption	Supported
Power Consumption	10W - Typical

**Features and Benefits**

- Centrally managed, automated software updates, 24x7 monitoring, remote office access, advanced diagnostics and syslogs
- Detailed reporting including Mako usage, PC usage, remote VPN, current status and more
- Control over Internet access, traffic threshold management, high usage notifications and worm alerts
- A simple, uncluttered interface with enhanced ease of use and navigation
- Dual LAN with DHCP
- Dynamic DNS support
- VPN - 20 concurrent IPSec, 10 concurrent PPTP
- ICSA-certified firewall
- Optional PCI DSS compliance and Mako Guardian Content Filtering

**Compliance Specifications**

Network Protocols	PPP over Ethernet (RFC 2516 PPPoE)
2G Standards	GSM, GPRS, EDGE
2G Frequencies	850, 900, 1800, 1900 MHz
3G Standards	UMTS WCDMA / HSDPA / HSUPA
3G Frequencies	850, 900*, 1900, 2100 MHz
Electromagnetic Compliance	EN55022 - CSPIR 22 Class B (EMC) EN55024 - CSPIR 24 (Immunity) FCC Part 15 Class B
Safety Standards	CB, IEC 60950, EN 60950 & AS/NZS 60950
U.S. Compliance	FCC part 68
NZ Telecoms	PTC 257 (3G)
Environmental	Lead-free and RoHS compliant
Firewall	ICSA-certified, Stateful Packet Inspection

\*Note: not available on all versions

**Certifications and Awards**



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