



Mako 8875 Gateway

Virtual Private Network Concentrator

Mako 8875 VPN Concentrator & High Throughput Gateway.

Mako 8875 Gateway 500 and 1000 Systems enable large organizations to terminate hundreds of Internet Protocol Security (IPSec) Virtual Private Network (VPN) tunnels utilizing the added functionality of the Mako Central Management System. The Mako System makes it easy to manage, monitor and report on all network activity, in addition to providing world-class security for larger corporate networks.

Complete Security

Mako 8875 Gateways employ a host of industry-leading security technologies to protect corporate networks.

Each Gateway incorporates a powerful stateful inspection firewall, meaning traffic entering and leaving a network is scrutinized to ensure all connections are authorized.

All VPNs are protected using Advanced Encryption Standard 128-bit or 256-bit encryption to ensure data cannot be intercepted during transmission. Mako also supports Point-to-Point Tunneling Protocol (PPTP) for remote network access.

Port scanning protection incorporated into Mako 8875 Gateways can detect and repel intruders attempting to discover network vulnerabilities by blocking IP addresses searching for open ports.

Mako 8875 Gateways also protect against internal threats, using worm detection to identify and nullify threats from infected host computers on internal networks.

As Mako 8875 Gateways are managed through the cloud using the Mako Networks Central Management System (CMS), all software is automatically patched and updated on every Mako appliance connected to the Internet anywhere in the world.

Centralized Logging/Reporting

While Mako 8875 Gateways connect directly to the Internet, they also securely send Internet traffic information to the Mako Networks CMS. This information is used for reporting to improve monitoring and control of network and Internet use.

By simply logging into the Mako Networks website, administrators can view all aspects of Mako Gateway traffic usage, including data use by site, user and timeframe, real-time reporting of intrusion attempts, and records of Internet traffic.

Solutions for Every Customer Application

The Mako 8875 is available with two user licenses: Gateway 500 and Gateway 1000. Each system number indicates the number of simultaneous VPN connections the device is able to terminate.

Integrated Router

The Mako 8875 Gateway connects via Ethernet at speeds up to 1 Gb per second, incorporating a fully featured TCP/IP router.

The 8875 can terminate VPN connections and act as a high-throughput default network gateway.

Easy Setup VPNs

External locations and network endpoints protected by Mako appliances can be linked to the Mako 8875 in seconds by three easy mouse clicks in the Mako CMS, without requiring static IP addresses.

Remote Diagnostics

Troubleshooting VPNs from a distance has traditionally been a difficult task, but the Mako System permits remote VPN diagnosis and restarts at the touch of a button using the secure CMS.

24-Hour Remote Control

Because Mako 8875 Gateways utilize the cloud-managed Mako Networks CMS, network administrators have 24-hour secure remote control over Internet connections and VPNs from anywhere in the world.

High Availability Option

The Mako 8875 Gateway can be configured for High Availability failover when deployed with a second Mako 8875 unit.

Using two Gateways, inbound VPNs can be diverted to a backup unit in the event of a hardware or connection fault.

Hardware Specifications

Physical and Environmental

Form Factor	1U Rackmount
Dimensions	17 x 1.75 x 21.65 inches 431 x 44 x 550 mm (L x W x H)
Weight	26.4 lbs (12 kg)
Power Supply	1+1 Redundant 400W, 100-240VAC
Operating Temperature	40° to 105° F 5° C to 40° C
Humidity	5% to 90% relative, non-condensing
Compliance	CE Emission, FCC Class A, lead-free and RoHS compliant
Display	LCD Module 2x20 character
Watchdog	Included
Internal RTC	Yes, with Li Battery

Networking

Network Interface	4 x Ethernet RJ45 GbE onboard. (1 WAN, 3 LAN)
Protocol Support	PPP over ATM (RFC 2364 PPPoA) PPP over Ethernet (RFC 2516 PPPoE) Bridged Ethernet over ATM (RFC 1483 /RFC 2684)
Internet Protocol	DHCP client with MAC address spoofing PPP over Internet
IUSB Port	For support functions (i.e. manual configuration).

Certifications



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 intrusion detection
- Control over Internet access, traffic threshold management, high usage notifications and worm alerts
- Simple, uncluttered interface with enhanced ease of use and navigation
- 1x1 Gigabit Ethernet WAN, 3x1 Gigabit Ethernet LAN with DHCP, Static Routes, VPN
- Firewall - Inbound, Outbound, Intranet, VPN
- Dynamic DNS support
- High computing execution and low power consumption through use of the server-grade Intel 5620 chipset
- PCI-Express bus networking data paths improve throughput by efficiently handling large address and data packets

VPN

- Gateway 500: 500 Concurrent IPSec, 20 Concurrent PPTP
- Gateway 1000: 1000 Concurrent IPSec, 40 Concurrent PPTP
- Services - Outbound Quality of Service, Dynamic DNS Support
- For IT Providers - Advanced Diagnostics, Syslogs

For more information visit: makonetworks.com
For enquiries email: sales@makonetworks.com