Mako 7582

Mid-level VPN Concentrator/Gateway

Mako NETWORKS

At a Glance

1x Gbps WAN, 5x Gbps LANs

1U Chassis

220Mbps VPN Cloud Throughput, 90Mbps IPSec Throughput

Up to 3000 VPN Cloud/500 IPSec Tunnels

VPN Concentrator & High Throughput Gateway.

Mako 7582 appliances employ a host of industry-leading security technologies to protect corporate networks and connect data centers. The Mako 7582 enables organizations to terminate thousands of Virtual Private Network (VPN) tunnels with the added functionality of the Mako Central Management System (CMS). The Mako System makes it easy to manage, monitor and report on all network activity, in addition to providing world-class VPN termination.

Five LANs in 1-U space

If space in your data center comes at a premium, the Mako 7582 is ideally suited to keep the costs down. Fitting five 1Gbps LANs into a 1-U rack space keeps your data center rental footprint low while allowing LAN extensibility for dedicated tasks, such as payment transactions, failover configurations or weighted network set-ups.

VPN Cloud

This new Mako VPN technology provides a modern alternative to IPSec-based tunnels. Instead of shared-secret and IP-based authentication, certificates are used for proof of identity, and all private traffic is secured using industrial strength AES encryption. VPN Cloud offers exceptional network security, increased performance, NAT interoperability, faster failover compared to IPSec, and far more flexible network design. Mako VPN Cloud technology requires no static or public IP addresses at remote sites.

Mako VPN Cloud can consist of multiple Mako 7582 appliances at multiple data centers providing load distribution as well as circuit, hardware and geographic redundancy.

IPSec Security

Mako to Mako IPSec VPNs are protected using Advanced Encryption Standard 128-bit or 256-bit encryption to ensure data cannot be intercepted during transmission. Mako to Mako VPN technology requires no static or public IP addresses at remote sites.

The Mako 7582 can be configured for High Availability failover when deployed with a second Mako 7582 unit. Using two Mako 7582 appliances, inbound IPSec VPNs can be diverted to a backup unit in the event of hardware or connection faults.

Centralized Logging/Reporting

Mako 7582 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.

Rated to 3000 VPN tunnels

The Mako 7582 is a modern hub for your network. Rated to terminate up to 3000 VPN Cloud tunnels or up to 500 IPSec VPN tunnels, this concentrator is designed for mid-sized businesses looking to handle growth spikes and flexible network routing with ease.

24-Hour Remote Control

Because Mako 7582 appliances 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.

Built-In Firewall

Each 7582 appliance incorporates a powerful stateful inspection firewall, meaning all traffic entering and leaving a network is scrutinized to ensure network connections are authorized.

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

Mako 7582 appliances also protect against internal threats by using worm detection to identify and nullify threats from infected host computers on internal networks.

As all Mako 7582s are managed through the cloud using the CMS, software is automatically patched and updated on every Mako appliance connected to the Internet anywhere in the world.

Integrated Router

All Mako 7582 units can be used either to terminate VPN connections, or as a high throughput default network gateway.

VPNs can be created to individual networks behind the 7582 appliance.

Mako 7582 appliances also support BGP for easily handling more complex data center configurations.

Physical and Environmental Specifications

Chassis Dimensions	431 x 305 x 44 mm (L x W x H) (17 x 12 x 1.7 in)
Power Supply	ATX SPS 220W Input AC 100-240 V @ 50/60 Hz
Operating Temperature	32° F to 104° F 0° C to 40° C
Humidity	5% - 95% relative, non-condensing

Hardware Specifications

Processors	2nd Gen. Intel Pentium G2120
System Memory	4 GB DDR3 1066/1333 MHz, Non-ECC, Unbuffered
Storage	Type II Compact Flash
LAN Interface	5x 10/100/1000 Mbps Ethernet
WAN Interface	1x 10/100/1000 Mbps Ethernet
LCD Screen	2x16 character LCD

Feature Specifications

7582	Five LANs, DHCP, Static Routes, BGP
Firewall	Inbound, Outbound, Intranet, VPN
VPN	3000 Concurrent VPN Cloud/500 Concurrent IPSec/20 OpenVPN

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