# Meraki MX70 Cloud Managed Security Appliance



The Meraki MX70 is an integrated router, next-generation firewall, traffic shaper, and Internet gateway that is centrally managed over the web. The MX70 offers an extensive feature set, yet is incredibly easy to deploy and manage. Intuitive web-based administration eliminates specialized training and dedicated staff, and cloud-based centralized management provides seamless multi-site networks, automatic firmware upgrades, and much more.

# **Cloud-Based Centralized Management**

## Manage from one branch to thousands, seamlessly over the web

With Meraki's cloud-based Dashboard, you can easily create network-wide policies, monitor all of your branches, receive e-mail alerts and troubleshoot using real-time diagnostic tools. The MX70's firmware is always up to date, with new features and enhancements delivered seamlessly from the cloud. Administrators never have to manually download software updates or security patches.

neraki EN	TERPRISE Network: Meraki Corp Wired				daghan.altas@merak	Lnet   <u>my profile</u>   <u>sig</u> w.edmin   search
Monitor	Clients Mar 30 13:00 PDT to Mar 31 13:	00 PDT I Live updates *				
Overview	@ 2 hours Usage: 31.55 GB (19.61 GB reco	rived, 11.94 GB sont)	Applications			
Router status	day 40 Mo/s					
Clients	month 30 Move	A				
Event log	20 Mb/s	Δ				
Summary						
report	10 Mb/s				A	
Configure	O Mo/s					
configure	14.00 16.00	18.00 20.00 22.00 Mar 3	1 2.00 4.00	6.00 8.00	10.00 12.00	
Organization	Search:	Go Advanced search +				File sharing
	Dearen:	Go Help				<ul> <li>Email</li> <li>Non-web TCP</li> </ul>
Help	286 client devices Select: All, None Colum	ms Download as XML				- 1000 8000 101
	Contraction officers in the second	THE CONTRACTOR OF THE				« Hide
	Applications details					
	Description	Group	Usage	% Usage	Group usage *	Group % usa
	1 Windows file sharing	File sharing	8.82 GB	- 27.7%	8.82 GB	- 27.3
	2 Grand	Email	1.80 GB	- 5.6%	3.15 GB	- 9.
	3 Host-based email (POP3/MAP/SMTP)	Errol	1000.3 MB	* 3.1%	3.15 GB	- 0.1
	4 Rackspace Hosted Exchange	Emol	365.9 MB	1.1%	3.15 GB	- 0.1
	5 Value Mal	Errod	14.6 MB	< 0.1%	3.15.08	- 93
	6 Windows Live Hotmail	Email	2.7 MD	< 0.1%	3.15 GB	- 9.1
	7 Hotmai	limal	1.2 Mil	< 0.1%	3.15 GB	- 93
	A Non-web TCP	-	2.93 GB	= 9.2%	2.93 GB	- 9.3
					1.94.68	
	9 Miscellaneous web	-	1.94 GB	= 6.1%		<ul> <li>6.1</li> </ul>
	Miscellaneous web     Moraki HTTPS		1.94 GB 1.90 GB	- 6.1% - 6.0%	1.94 GB	
	9 Miscellaneous web	-				• 6.0
	Miscellaneous web     Moraki HTTPS	-	1.90 GB	- 6.0%	1.90 GB	- 6.1 - 6.0 - 4.4 - 4.4
	Miscelennous web)     Moraki HTTPS     Software updates     Software updates     Software updates     Software updates     Software updates		1.90 GB 1.41 GB	<ul> <li>6.0%</li> <li>4.4%</li> </ul>	1.90 GB 1.41 GB	• 6.0 • 4.4
			1.90 GB 1.41 GB 6.6 MB	<ul> <li>6.0%</li> <li>4.4%</li> <li>0.1%</li> </ul>	1.90 GB 1.41 GB 1.41 GB	• 6.0 • 4.4 • 4.4

## Link Failover and Aggregation

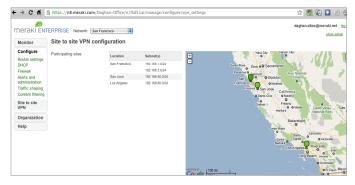
## Eliminate high cost links with reliable Internet connectivity

The Meraki MX70 features state-of-the-art networking services including link aggregation and automatic failover between active WAN connections, throughput monitoring with real-time alerts, routing, DHCP, and cloud-managed port forwarding. With IPsec over redundant Internet links, the MX70 improves the reliability and security of distributed networks while reducing cost by up to 60%.

## **Next-Generation Firewall and Traffic Shaper**

#### Control applications and users, not just ports

The MX70 features a powerful packet engine that performs deep packet inspection, stateful firewall services, 1:1 NAT, DMZ, and layer 7 traffic shaping and application firewall at very high speed. Additional features include network asset discovery, user identification and fingerprinting, user and device quarantine, application-aware traffic analysis, and per-application QoS.



## **Advanced Web Security**

## Extend next generation security to the branch

The Meraki MX70 is designed for secure, centrally managed multisite networks. Block access to objectionable websites with powerful content filtering, and protect your network with anti-malware, antivirus and anti-phishing capabilities. The Meraki MX70 also features a revolutionary site-to-site VPN technology that automatically establishes a secure IPsec connection between branches. With true zero-touch setup, the MX deploys easily in branches without on-site networking expertise.

Monitor	Content Filtering		
Configure	Blocked websites	Blocked	Category
Router settings	Distance webbilles	BIOCKED	Category Adult (Sites with material such as swearing but not pornography)
DHCP			Auction sites
Firewall			Banking
Alerts and administration			Blogs
Traffic shaping			Chat
Content			Dating
filtering			Drugs
Site to site VPN			E-commerce
			Email
			File-sharing
Organization			Gambling (Including stocks)
Help			Games
			Hacking/cracking
			Job search

merak

# **Use Cases**

### > Cloud Managed Security Appliance



Build an easy to deploy and reliable network that doesn't require costly solutions like MPLS tunnels. Deploy the MX70 in missioncritical networks using link failover and aggregation. Simplify access and visibility through cloud-managed site-to-site VPN. Secure remote networks using advanced security features like anti-virus filtering. Optimize network costs using traffic shaping.

### > Inline Traffic Shaper and Network Monitor



The MX70 is equally indispensable when deployed behind an existing firewall and router. Optimize network traffic with application-aware (layer 7) traffic shaping and firewall. Prioritize mission critical applications or VoIP traffic while setting limits on recreational traffic, e.g. peer-to-peer applications. Discover all client devices, identify users and monitor printers.

#### > Ordering Information

The Meraki MX70 is available in both Enterprise Edition and Advanced Security Edition licenses:

- MX70-HW: Meraki MX70 Cloud Managed Security Appliance
- LIC-MX70-ENT-1YR: Meraki MX70, 1 year Enterprise License
- LIC-MX70-ENT-3YR: Meraki MX70, 3 year Enterprise License
- LIC-MX70-ENT-5YR: Meraki MX70, 5 year Enterprise License
- LIC-MX70-SEC-1YR: Meraki MX70, 1 year Adv. Security License
- LIC-MX70-SEC-3YR: Meraki MX70, 3 year Adv. Security License
- LIC-MX70-SEC-1YR: Meraki MX70, 5 year Adv. Security License

## > Warranty

• Lifetime hardware warranty included

#### Note:

Meraki Enterprise or Advanced Security License required

# **Specifications**

#### > Performance

- Stateful firewall throughput:
- Advanced security throughput:
- Maximum site-to-site VPN sessions:
- Maximum VLANs:
   Recommended for:
- 100 32 Medium and Large Branches (Up to hundreds of users)

400 Mbps

125 Mbps

#### > Network Services

- Application-level (L7) traffic analysis and shaping
- Site-to-site (IPsec) VPN
- WAN link aggregation and failover
- Stateful firewall, 1:1 NAT, DMZ
- Multiple WAN IP, PPPoE, NAT and DHCP
- User and device quarantine

#### > Monitoring and Management

- · Web based management and configuration
- Throughput, connectivity monitoring and alerts
- · Network asset discovery and user identification
- Built-in network-wide reporting, monitoring and alerts
- · Centralized policy management
- · Real-time diagnostic and troubleshooting over the web
- · Automatic firmware upgrades and security patches
- Searchable network-wide event logs

### > Advanced Security Services\*

- Next generation application-level (L7) firewall
- Content Filtering
- Anti-Virus
- Anti-Phishing

\*Meraki Advanced Security License required

#### > Interfaces

- WAN interfaces: 2x 1000 Base-T Ethernet
- LAN interfaces: 4x 1000 Base-T Ethernet
- USB interfaces: 2x USB 2.0

#### > Power

• Single 100W power supply

#### > Environment

- Operating temperature: 32°F to 104°F (0°C to 40°C)
- Humidity: 5 to 95% non-condensing

### > Physical Dimensions

• Dimensions: 14.1" x 9.1" x 1.5" (430 mm x 277 mm x 45 mm)

meral

• Weight: 12.8 lbs (6 kg)