## Cisco<sup>®</sup> Meraki<sup>®</sup> SD-WAN with Firewall Sizing Guide



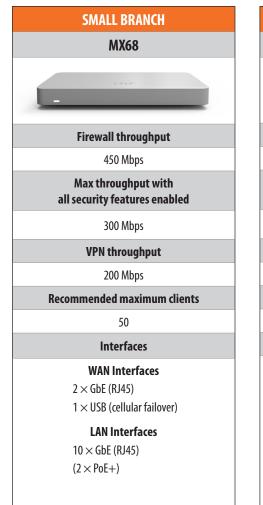
# **AireSpring Cisco Meraki SD-WAN with Integrated Next-Generation Firewall** SD-WAN with security in a single cloud managed appliance

#### **Simplified Management**

- Built-in centralized management through web-based dashboard
- Client fingerprinting and industry-leading application with traffic visibility provide network insights
- Identity-based filtering rules and application bandwidth management provide support
- Self-provisioning automatically downloads policies and configurations from the cloud
- Auto VPN connects remote sites securely, without administrator intervention

#### Security, Reliability, Speed

- Auto VPN, smart traffic load balancing, link aggregation, and failover ensure reliability
- Sourcefire SNORT intrusion detection system (IDS), intrusion prevention (IPS), and Kaspersky anti-virus/ antiphishing protect the network
- Content Filtering (85+ categories) blocks unwanted content
- Web caching dramatically accelerates frequently accessed content



MEDIUM BRANCH				
MX84	MX100			
Firewall th	nroughput			
500 Mbps	750 Mbps			
	ghput with			
all security fea	tures enabled			
320 Mbps	650 Mbps			
VPN thr	oughput			
250 Mbps	500 Mbps			
Recommended maximum clients				
200	500			
Interfaces				
WAN Interfaces	WAN Interfaces:			
2  imes GbE (RJ45)	1  imes GbE (RJ45)			
$1 \times \text{USB}$ (cellular	$1 \times \text{USB}$ (cellular			
failover)	failover)			
LAN Interfaces	LAN Interfaces			
8  imes GbE (RJ45)	8 × GbE			
$2 \times \text{GbE}$ (SFP)	$2 \times \text{GbE}$ (SFP)			

LARGE BRANCH			
MX250	MX450		
Firewall throughput			
4 Gbps	6 Gbps		
Max throughput with all security features enabled			
2 Gbps	4 Gbps		
VPN throughput			
1 Gbps	2 Gbps		
Recommended maximum clients			
2,000	10,000		
Interfaces			
WAN Interfaces	WAN Interfaces		
$2 \times 10$ GbE (SFP+)	$2 \times 10$ GbE (SFP+)		
1  imes USB (cellular	$1 \times \text{USB}$ (cellular		
failover)	failover)		
LAN Interfaces	LAN Interfaces		
8  imes GbE (RJ45)	$8 \times \text{GbE}$ (RJ45)		
$8  imes  ext{GbE}$ (SFP)	8  imes GbE (SFP)		
$8 \times 10$ GbE (SFP+)	$8 \times 10$ GbE (SFP+)		

### Cisco Meraki SD-WAN with Firewall Sizing Guide



<b>KEY FEATURES &amp; FUNCTIONALITIES</b>	BENEFITS	AireSpring Cisco Meraki SD-WAN with Firewall
AireSpring White Glove SD-WAN Professional Services	<ul> <li>Includes implementation design and engineering. We will design (pre-sales), deploy (provisioning) and support (customer service/NOC) your SD-WAN solution at no additional cost.</li> </ul>	$\checkmark$
	• Plus, we provide branch deployment support via pre-configuration of SD-WAN edge boxes.	
Free Network Monitoring 24/7/365	<ul> <li>24/7/365 real-time monitoring by the AireSpring Network Operations Center (NOC), using AireNMS.</li> </ul>	~
	<ul> <li>Proactive ticket initiation, management and resolution by AireSpring NOC in the event of a network alert.</li> </ul>	
Free 3 <sup>rd</sup> Party Circuit Support	<ul> <li>AireSpring will proactively open repair tickets on behalf of customers for their non- AireSpring, internet-only circuits. Not offered by many vendors. Only available at a premium cost by the few that do.</li> </ul>	$\checkmark$
Free Read and Write Access	• Free Read and Write Access to Cisco-Meraki Dashboard provided (notification required when ordered).	$\checkmark$
WAN Failover	<ul> <li>Every Appliance supports multiple WAN uplinks with seamless, automatic failover for protection against connection outages.</li> <li>Optional HA warm spare failover ensures the integrity of service at the appliance level. In the event an appliance goes offline, a secondary device will automatically take over.</li> </ul>	$\checkmark$
3G/4G Failover	<ul> <li>Traffic will be redirected to a 3G/4G interface in the event of a connectivity failure.</li> <li>Requires existing circuit or new 3G/4G circuit (sold separately).</li> </ul>	$\checkmark$
Advanced Firewall and Unified Threat Management (UTM)	<ul> <li>Next-Generation Managed Firewall with UTM features such as Intrusion Detection &amp; Prevention, URL Filtering, Anti-virus, Anti-Phishing and Advanced Malware Protection.</li> <li>Comprehensive, multi-layered security that safeguards your network and data assets against viruses, malware and emerging cyber threats.</li> <li>Control outbound and inter-network traffic using firewall rules.</li> </ul>	~
Maximum WAN Links	• 2 up links supported. Traffic distribution over multiple pathways (internet, cellular), with built-in load balancing and automatic failover capabilities.	2
IPsec Virtual Private Networking (VPN)	Provides the ability to quickly interconnect locations over inexpensive broadband circuits.	$\checkmark$
Traffic Shaping	<ul> <li>Provides the ability to prioritize network traffic so that heavy-use applications or those requiring a significant amount of bandwidth to operate do not impact other users on the network.</li> </ul>	$\checkmark$
Per Flow Load Balancing	Rule-based per flow load balancing. Packets of the same flow go over the same link.	✓



AireSpring has received numerous industry awards for "Product of the Year," "Best Telecom Deal," "Members Choice Top Reseller," "Best in Show," and "Top Channel Program."

Ready to find out more? Contact us at 888-389-2899, email sales@airespring.com, or visit our website at www.airespring.com

