

## vMX Comparison Datasheet

You can also find this information in the [MX sizing guide](#).

	vMX-S	vMX-M	vMX-L	vMX-XL
<b>Throughput</b>	250 Mbps	500 Mbps	1 Gbps	10 Gbps
<b>Number of Tunnels (site-to-site VPN)</b>	50	250	1,000	10,000
<b>Supported Features</b>	<ul style="list-style-type: none"> <li>Auto-VPN (SD-WAN termination from branch)</li> <li>IPsec VPN</li> <li>AnyConnect/L2TP VPN</li> <li>VPN firewall</li> <li>BGP and OSPF</li> <li>One-Armed concentrator</li> <li>NAT mode vMX</li> </ul>			<ul style="list-style-type: none"> <li>One-Armed Concentrator mode</li> <li>Auto-VPN (SD-WAN termination from branch)</li> <li>VPN firewall</li> </ul>
<b>Unsupported Features</b>	<ul style="list-style-type: none"> <li>High Availability (HA) - the recommended design for headend resiliency is <a href="#">DC-DC failover</a></li> <li>Security filtering</li> <li>Advanced Malware Protection</li> <li>Intrusion Detection/Prevention</li> <li>Umbrella DNS Security (MR/Z1/Z3 Only)</li> <li>Active Directory Content Filtering</li> <li>HTTP Content Caching</li> <li>Geo IP Layer 7 Firewall Rules</li> <li>802.1x Port Auth</li> <li>Security Center</li> <li>Threatgrid</li> <li>MX Splash Pages</li> </ul>		<ul style="list-style-type: none"> <li>High Availability (HA) - the recommended design for headend resiliency is <a href="#">DC-DC failover</a></li> <li>Security filtering</li> <li>Advanced Malware Protection</li> <li>Intrusion Detection/Prevention</li> <li>Umbrella DNS Security (MR/Z1/Z3 Only)</li> <li>Active Directory Content Filtering</li> <li>HTTP Content Caching</li> <li>Geo IP Layer 7 Firewall Rules</li> <li>802.1x Port Auth</li> <li>Security Center</li> <li>Threatgrid</li> <li>MX Splash Pages</li> </ul>	

Dual WAN or LAN ports

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IPsec VPN

AnyConnect/L2TP VPN

BGP and OSPF

NAT Mode

	AWS	Azure	Alibaba Cloud Global (including)
<b>vMX-S instance</b>	M4.large C5.large	Standard_F4s_V2 Standard_D2_v2 Standard_D2_v3	C5.large C6.large
<b>vMX-M instance</b>	M4.large C5.large	Standard_F4s_V2 Standard_D2_v2 Standard_D2_v3	C5.large C6.large
<b>vMX-L instance</b>	C5.xlarge	Standard_F4s_v2	C5.xlarge C6.xlarge
<b>vMX-XL instance (Beta)</b>	c6in.2xlarge	TBD	TBD
<b>Recommended firmware</b>	vMX-S/M/L: MX15.37+ vMX-XL: MX18.2-XL+	vMX-S/M: MX15.37+ vMX-L: MX18.2+	MX15.37+
<b>Can stop/restart the instance (we do not recommend pause/hibernate)</b>	Yes	Yes	Yes
<b>Can re-configure after deployment (the vMX must be powered down)</b>	Yes	Yes	Yes
<b>Static IP support via dashboard</b>	Yes	Yes	Yes
<b>Static IP support via user-data</b>	No	No	No
<b>Licenses</b>	1,3,5-year Enterprise License	1,3,5-year Enterprise License	1,3,5-year Enterprise License
<b>BGP support</b>	MX15.37+	MX15.37+	MX15.37+
<b>NAT Mode Support</b>	Yes	Yes	Yes
<b>Concentrator Mode</b>	MX18.2+	MX15.37+	MX15.37+



The following items should be noted in the above table:

- vMX-XL is in public beta and only supported on AWS.
- vMX-XL is supported in Passthrough or VPN Concentrator mode only. NAT mode is currently not supported



on the vMX-XL

- Static IP configuration from the dashboard, should match the IP address configuration on the cloud platform