

Installation guide

Telstra Internet Direct 50Mbps or 100Mbps with a Meraki
MX65W Security Appliance





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Before your device arrives

In order to manage and configure devices, you'll first need to create an account in Dashboard, if you don't have one already. For instructions on creating a Dashboard account, Creating a Network and Adding Devices and Licenses, please refer to Meraki's Getting Started guide:

https://documentation.meraki.com/Getting_Started

For your Telstra Internet Direct service to operate at the maximum rate, you are advised to shape your outbound traffic on the Security Appliance. Within our network we police the rate of your service at 50 Mbps or 100Mbps. Therefore, you should rate limit your outbound traffic to slightly below this value – 47 Mbps is recommended. This will ensure the burst rate on the Security Appliance does not exceed our policer. Failure to apply shaping outbound may result in below par speeds being achieved.

Configure outbound traffic shaping as follows:

1. Login to the Meraki dashboard
2. Select Security Appliance.
3. Under Configure, select Traffic Shaping
4. Set the Uplink configuration for WAN 1 to the values shown below

Traffic shaping

Uplink configuration

WAN 1

down (Mb/s)	<input type="text" value="250"/>	simple
up (Mb/s)	<input type="text" value="47"/>	



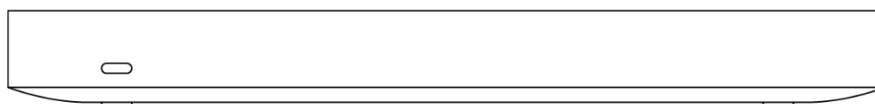
After your device arrives

Please ensure you wait for your Telstra Internet Direct Completion Advice before attempting to install your Meraki MX Security Appliance.

MX65W Overview

The Meraki MX65W is an enterprise security appliance designed for distributed deployments that require remote administration. It is ideal for network administrators who demand both ease of deployment and a state-of-the-art feature set.

The MX65W front panel

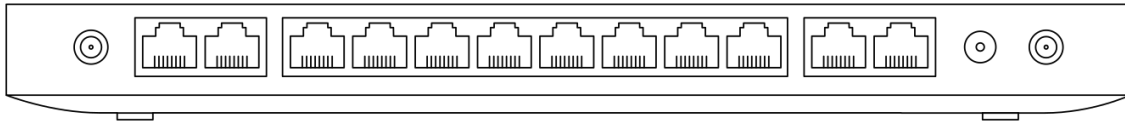


Status Indicator

The MX65W uses an LED to inform the user of the device's status. LED patterns and their meanings are described below.

LED Status	Meaning
Solid orange	Power is applied but the appliance is not connected to the Meraki Dashboard
Alternating Colors	The appliance is attempting to connect to Meraki Dashboard
Flashing White	Firmware upgrade in progress
Solid White	Fully operational

The MX65W back panel

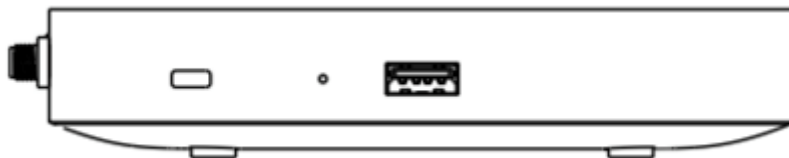


Additional functions on the back panel are described below, from left to right.

WAN / Internet ports	These two ports provide connectivity to the WAN.
LAN ports	These 8 ports provide connectivity to computers, printers, access points, or Ethernet switches. A steady green LED indicates bidirectional connectivity, and flashing green indicates traffic.
PoE+ Ports	These 2 LAN ports provide connectivity to computers, printers, access points, or Ethernet switches. Each port outputs up to 30W of PoE power. A steady green LED indicates bidirectional connectivity, and flashing green indicates traffic.
Power input	Designed for use only with the unit's power supply.

The MX65W side panel

Additional functions on the back panel are described below, from left to right.



Reset button	Insert a paper clip if a reset is required. Press for 1 second to delete a downloaded configuration and reboot. Press and hold for more than 10 seconds to force a full factory reset.
USB port	USB 2.0 for 3G/4G wireless cards. Traffic status is indicated by the USB LED.

The MX65W bottom panel



Please note that the serial number is located on the product label at the bottom panel of MX65W

Connecting to WAN

All Meraki MX devices must have an IP address. This section describes how to configure your local area network before you deploy it. A local management web service, running on the appliance, is accessed through a browser running on a client PC. This web service is used for configuring and monitoring basic ISP/WAN connectivity.

Setting up a static IP address

To ensure that the client PC is redirected to the local web service in the following step, you must disable all other network services (ex: wi-fi) on your client machine.

Do the following to configure basic connectivity and other networking parameters:

1. Using a client machine such as a laptop, connect to one of the **LAN** ports of the MX.
2. Using a browser on the client machine, access the appliance's built-in web service by browsing to <http://setup.meraki.com>. (You do not have to be connected to the Internet to reach this address)
3. Click **Uplink configuration** under the **Local status** tab. The default credentials use the device serial number as the username, with a blank password field.
4. Choose **Static** for the **IP Assignment option**.
5. Enter the IP address, subnet mask, default gateway IP and DNS server information provided in you Telstra Internet Direct Completion Advice.



Connection	Configure	Ethernet																
<h3>Uplink configuration</h3> <p>Configure the uplink Internet connection on this security appliance.</p> <h4>Internet</h4> <table><tr><td>VLAN tagging</td><td>Don't use VLAN tagging ▾</td></tr><tr><td>Connection type</td><td>Direct ▾</td></tr><tr><td>IP assignment</td><td>Static ▾</td></tr><tr><td>Address</td><td><Your IPv4 Address></td></tr><tr><td>Netmask</td><td><Your IPv4 Subnet Mask></td></tr><tr><td>Gateway</td><td><Your Default Gateway></td></tr><tr><td>DNS server 1</td><td>8.8.8.8</td></tr><tr><td>DNS server 2</td><td>8.8.8.4</td></tr></table>			VLAN tagging	Don't use VLAN tagging ▾	Connection type	Direct ▾	IP assignment	Static ▾	Address	<Your IPv4 Address>	Netmask	<Your IPv4 Subnet Mask>	Gateway	<Your Default Gateway>	DNS server 1	8.8.8.8	DNS server 2	8.8.8.4
VLAN tagging	Don't use VLAN tagging ▾																	
Connection type	Direct ▾																	
IP assignment	Static ▾																	
Address	<Your IPv4 Address>																	
Netmask	<Your IPv4 Subnet Mask>																	
Gateway	<Your Default Gateway>																	
DNS server 1	8.8.8.8																	
DNS server 2	8.8.8.4																	

For more information on setting up your device please refer to the MX65W Installation Guide

https://documentation.meraki.com/MX-Z/Installation_Guides/MX65W_Installation_Guide

Remember to configure outbound traffic shaping on the Security Appliance following the instructions detailed above.

Device support

For ongoing support on your Meraki device please reach out to Meraki directly on <https://meraki.cisco.com/support/>