



Release Notes for Trapeze Networks™ Mobility Point™ Access Points

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Distributed MPs and Link Autonegotiation

Description The Ethernet interfaces on an MP are configured to autonegotiate the link speed (10 Mbps or 100 Mbps) and mode (half duplex or full duplex). The setting cannot be changed. A common setting on third-party switches is 100 Mbps, with full duplex. If you connect a Distributed MP to a port that is set for 100 Mbps with full duplex, the MP operates at 100 Mbps with half duplex. This results in an unusable link.

Workaround Configure the port on the other device to autonegotiate.

Distributed MPs and STP

Description A Distributed MP is a leaf device. You do not need to enable STP on the port that is directly connected to the MP.

If Spanning Tree Protocol (STP) is enabled on the port that is directly connected to a Distributed MP, you might need to change the STP configuration on the port, to allow the MP to boot.



Note. STP on a port directly connected to a Distributed MP can prevent the MP from booting.

As part of the boot process, an MP disables and reenables the link on the port over which the MP is attempting to boot. If STP is enabled on the device that is directly connected to the port, the link state change can cause the port on the other device to leave the forwarding state and stop forwarding traffic. The port remains unable to forward traffic for the duration of the STP forwarding delay.

An MP waits 30 seconds to receive a reply to its DHCP Discover message, then tries to boot using the other MP port. If the boot attempt fails on the other port also, the MP then reattempts to boot on the first port. The process continues until a boot attempt is successful. If STP prevents the other device's port from forwarding traffic during each boot attempt, the MP repeatedly disables and reenables the link, causing STP to repeatedly stop the other device's port from forwarding traffic. As a result, the boot attempt is never successful.

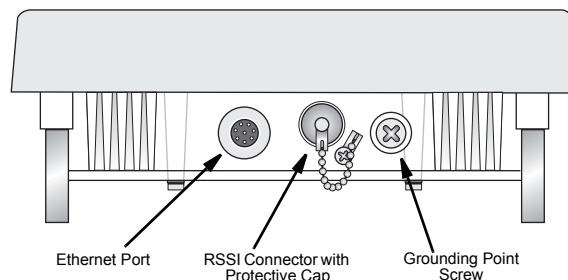
Workaround To allow an MP to boot over a link that has STP enabled, do one of the following on the other device:

- Disable STP on the other device's port.
- Enable the port fast convergence feature, if supported, on the other device's port. (On some vendors' devices, this feature is called *PortFast*.)
- If the other device is running Rapid Spanning Tree or Multiple Spanning Tree, set the port into edge port mode.

MP-620 BNC Connector Is Not Used

The MP-620 has a BNC connector located between the Ethernet port and the grounding point screw. (See Figure 1.) This port is not used in MSS Version 4.1.

Figure 1. MP Access Point Model MP-620—Bottom View



Power Over Ethernet Support

Trapeze Networks recommends that you budget for a minimum of 9 Watts of power draw per MP, for model MP-372. For an MP-620, budget for a maximum power draw of 30 Watts. For all other models, budget for a maximum power draw of 8 Watts per MP.

Table 1 lists the Power over Ethernet (PoE) sources from which MPs can accept power. Table 2 lists the MP models that support 802.3af and the 802.3af classes of these models.

Table 1. PoE Sources Supported By Trapeze MPs

PoE Source	Wire Pairs Used by PoE	MP-3xx MP-52	MP-620	MP-2xx MP-1xx
MX-20, MX-8, or MXR-2	Pairs unused for traffic	Supported	Not Supported	Supported
PowerDsine 802.3af	Pairs unused for traffic	Supported	Not Supported	Supported
MP-620 PoE injector	Pairs unused for traffic	Not Supported	Supported ¹	Not Supported
Cisco product with AF in product ID	Pairs also used for traffic (802.11af-compliant)	Supported	Not Supported	Not Supported
Cisco PoE blade with PWR in product ID ²	Pairs also used for traffic (proprietary)	Not Supported	Not Supported	Not Supported
Cisco PoE injector (AIR-PWR-xxx)	Pairs also used for traffic (proprietary)	Not Supported	Not Supported	Not Supported

1. Use only the PoE injector that is shipped with the MP-620.

2. If your Cisco product has **V** in the product ID, contact your vendor to determine whether the product is AF-compliant.

Table 2. MP Models that Support 802.3af

MP Model	MP-372	MP-620	MP-352 MP-341	MP-2xx MP-1xx	MP-52
802.3af Supported?	Yes	No	Yes	No	Yes
802.3af Class	3	Not Applicable	0	Not Applicable	0





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