

MOBILITY POINT™ MP-372

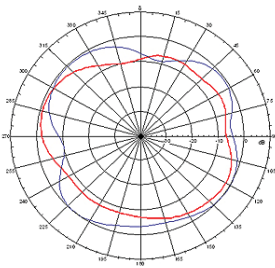
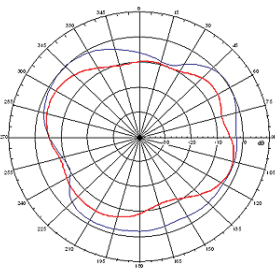
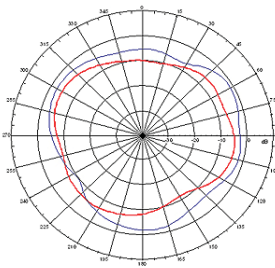
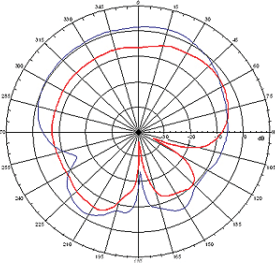
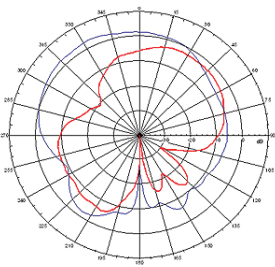
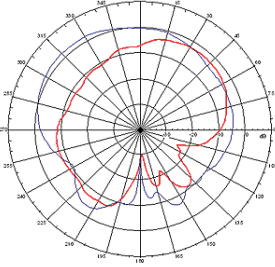
The Trapeze Mobility Point™ (MP™) family of multi-function access points provides access point wireless services for Trapeze Smart Mobile™ wireless networks. Configured and controlled by Trapeze Mobility Exchange™ (MX™) controllers, all Trapeze Mobility Points perform local encryption to offload the WLAN controller, leaving the controller free to enforce stringent security policies and enable fast, seamless identity-based roaming.

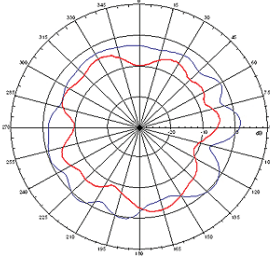
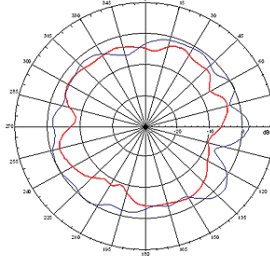
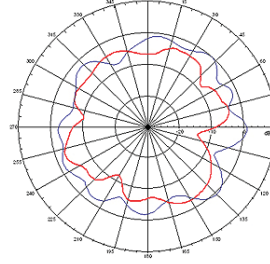
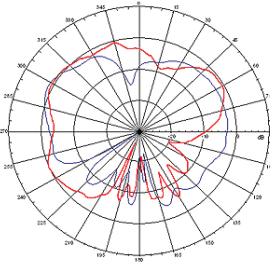
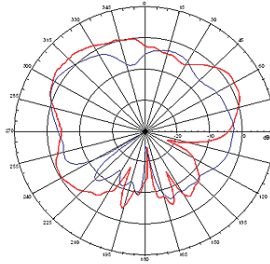
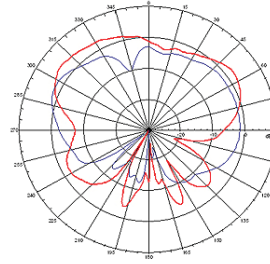


The Trapeze Networks indoor MP-372 is a dual radio 802.11a and 802.11b/g access point featuring dual diversity antennas on both 2.4 GHz and 5 GHz bands. The MP features two 10/100 Fast Ethernet ports for redundant connectivity and 802.3af Power-over-Ethernet (PoE), a plenum-rated (UL-2043) package which intentionally resembles a smoke detector to minimize visibility. With no obvious hallmarks of an AP, the MP-372 is less likely to be tampered with, but also features a built-in Kensington lock system for added physical security.

The MP-372 is simple to deploy, easy to manage, and supports any kind of service—data, voice and video—over wireless. It automatically calculates the data integrity and RF signal strength of the wireless channel and continually tunes for optimal RF channel and transmit power, while enforcing the prioritization of delay-sensitive voice and other critical applications. Wi-Fi Multimedia (WMM) or SpectraLink Voice Priority (SVP) can be configured to ensure optimal quality of service (QoS) for voice traffic. Policies allow per user, protocol or class-of-service (CoS) mapping.

The MP-372 plays a key role in rogue and intrusion detection as well as denial-of-service (DoS) attack detection. ActiveScan allows MPs to fulfill a dual role. They scan all 802.11 bands, channels and VLANs while simultaneously providing wireless connectivity to mobile clients. SentryScan allows MPs or individual MP radios to act as dedicated sentries, providing nonstop scanning. For installations that require the most advanced wireless intrusion detection/prevention services (WIDS/WIPS), the MP-372 can be dedicated to AirDefense Sensor mode, which is fully integrated with AirDefense Enterprise, the leading solution for wireless intrusion protection. The MP-372 can also be deployed in a dual-role supporting normal MP operation and on-demand Sensor mode.

	2400 MHz	2450 MHz	2500 MHz
Horizontal Gain Diversity Antenna 1 Diversity Antenna 2			
Vertical Gain Diversity Antenna 1 Diversity Antenna 2			

	5250 MHz	5470 MHz	5725 MHz
<p>Horizontal Gain</p> <p>Diversity Antenna 1 Diversity Antenna 2</p>			
<p>Vertical Gain</p> <p>Diversity Antenna 1 Diversity Antenna 2</p>			

Key Features

RADIO

- | | |
|-----------------------|--|
| Dual-Radio | <ul style="list-style-type: none"> • 802.11a (5GHz) and 802.11b/g concurrent operation |
| Transmit Power | <ul style="list-style-type: none"> • Granular Transmit Power Settings in 1 dBm increments • Configurable individual 802.11 channel support control RF cell size |
| RF Auto-Tune | <ul style="list-style-type: none"> • Continuous self-tuning for optimal channel and transmit power • Self-tuning factors-in client data integrity when optimizing RF settings • Eliminates dynamic and unplanned coverage holes |

MOBILITY SERVICES

- | | |
|--------------------------------------|---|
| Voice with Quality of Service | <ul style="list-style-type: none"> • Prioritized per user and per session priority queuing • Wi-Fi Multimedia (WMM) QoS • SpectraLink Voice Priority (SVP) QoS • Voice qualified seamless handoff with 802.11i PMK cached roaming • Session based bandwidth reservation with 802.11e TSPEC CAC • Neighbor Report advertisement with 802.11k • Unscheduled Power Save delivery with 802.11e U-APSD • Per session AP load balancing and client steering |
| Virtual Service Sets | <ul style="list-style-type: none"> • Up to 64 SSIDs per Mobility Point • Any mix of encryption and authentication type per SSID • Any VLAN topology per SSID • Unique WebAccess Portal per SSID • Private or shared authentication |

SECURITY
Physical Security

- Highly inconspicuous, looks like a smoke detector
- No local data store
- No console port; no local access is possible
- If stolen, no secure configuration data goes with it
- Integrated Kensington security lock

Encryption

- Dedicated hardware based air-rate encryption support for certified operation of WPA2 (AES), WPA (TKIP), WPA-PSK, 40-128-bit dynamic WEP with per session rotating keys

Wireless Intrusion Detection (WIDS) and Protection (WIPS)

- ActiveScan simultaneous rogue and denial-of-service (DoS) attack detection, alarming and mitigation.
- SentryScan dedicated rogue and denial-of-service (DoS) attack detection, alarming and mitigation.
- Dedicated AirDefense Sensor mode
- On-Demand AirDefense Sensor mode

MANAGEMENT AND CONTROL
Scalability and Resiliency

- Supports up to 500 simultaneous clients
- Dedicated hardware based encryption support
- Dual attached power-over-ethernet (PoE) with redundant network link
- RingMaster based outage resiliency planning for RF Auto-Tune

Installation and Configuration

- Zero configuration installation with no pre-staging
- One-snap invisible ceiling grid attachment
- Mobility Point configured by MX
- True omni-directional antenna allows position independent placement

Client Load Balancing

- Equalize client sessions across groups of MPs with like Service Policies
- Restore equality of session load across groups of MPs with like service profiles when new MPs are added or an MP returns from transient outage
- Equalize balanced group of MPs across multiple MXs in a Mobility Domain
- Client steering across 802.11a/b/g bands to maximize usage and consistently balance load over the available spectrum

Specifications

HARDWARE SPECIFICATIONS
Dimensions

- Diameter: 6.6 in (16.76 cm) Height: 1.85 in (4.69 cm)

Weight

- 12.5 oz (354 g)

Interfaces

- Two 10/100 Fast Ethernet port for unshielded twisted pair (UTP) connectivity with power-over-ethernet (PoE)
- Two External female SMA connectors, for external 802.11a (5GHz) and 802.11b/g (2.4 GHz) antennas (optional - ordered separately)

Environmental

- Operating temperature: 0°C to 50°C
- Storage temperature: -20°C to 70°C
- Humidity: 10% - 95% (non-condensing)

Power

- As provided by 802.3af power-over-ethernet (PoE)
- Max draw: 8.2 watts peak during dual-radio operations

Status Indicators

- 3 Dual color LEDs

Physical Security

- Kensington security lock

802.11a RADIO SPECIFICATIONS

Operating Frequency	• 5 GHz to 5.85 GHz
Operating Channels	• Based on configured regulatory domain
Modulation	• Orthogonal Frequency Division Multiplexing (OFDM)
Transmit Power	• Based on configured regulatory domain
Configurable Association Rates	• 54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, and 6 Mbps with automatic fallback

802.11b RADIO SPECIFICATIONS

Operating Frequency	• 2.4 GHz to 2.484 GHz
Operating Channels	• Based on configured regulatory domain
Modulation	• Direct-Sequence Spread-Spectrum (DSSS)
Transmit Power	• Based on configured regulatory domain
Configurable Association Rates	• 11 Mbps, 5.5 Mbps, 2 Mbps, and 1 Mbps with automatic fallback

802.11g RADIO SPECIFICATIONS

Operating Frequency	• 2.4 GHz to 2.484 GHz
Operating Channels	• Based on configured regulatory domain
Modulation	• Orthogonal Frequency Division Multiplexing (OFDM)
Transmit Power	• Based on configured regulatory domain
Configurable Association Rates	• 54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, and 6 Mbps with automatic fallback

Compliance

REGULATORY COMPLIANCE

Safety and Electromagnetic	• ETS 300.328 (2.4 GHz) and 301.893 (5 GHz)
	• FCC Part 15
	• IC Part 15
	• RSS139-1 and RSS-210
	• R&TTE Directive 1999/5/EC
	• EN60601-1-2 (2001)
	• UL-2043 Plenum Rated for Commercial Installation

STANDARDS COMPLIANCE

IEEE	• 802.3i 10BASE-T Ethernet
	• 802.3u 100BASE-TX Fast Ethernet
	• 802.1X Network Access Control and Mutual Authentication
	• 802.11a, 802.11b, 802.11g Wireless Ethernet
	• 802.11e quality of service (QoS)(WMM), call admission control (TSPEC), unscheduled power save delivery (U-APSD)
	• 802.11i Fast Roaming (PMK Cache), encryption (AES/CCMP and TKIP)
Wi-Fi Alliance	• Wi-Fi Alliance Protected Access 1.0 (WPA) and 2.0 (WPA2)
	• Wi-Fi Alliance Multimedia (WMM)
IETF	• IETF CAPWAP WG Taxonomy and Architecture compatibility

ORDERING INFORMATION

MP-372	<ul style="list-style-type: none"> Dual-radio 802.11a and 802.11b/g access point with dual Ethernet, internal dual-band diversity antennas, and female SMA connectors for 802.11a (5 GHz) and 802.11b/g (2.4 GHz) external antennas.
MP-372-CN	<ul style="list-style-type: none"> For shipment to China only
MP-372-IL	<ul style="list-style-type: none"> For shipment to Israel only
MP-372-JP	<ul style="list-style-type: none"> For shipment to Japan only Supports Japanese 5 GHz bands W52/W53

OPTIONAL ACCESSORIES

ANT-1060	<ul style="list-style-type: none"> 60° indoor/outdoor 802.11b/g sector antenna for 10dB gain—includes 1 m M/M SMA cable, mounting hardware
ANT-1120	<ul style="list-style-type: none"> 120° indoor/outdoor 802.11b/g sector antenna for 7dB gain—includes 1 m M/M SMA cable, mounting hardware
ANT-1180	<ul style="list-style-type: none"> 180° indoor/outdoor 802.11b/g sector antenna for 6dB gain—includes 1 m M/M SMA cable, mounting hardware
ANT-5060	<ul style="list-style-type: none"> 60° indoor/outdoor 802.11a sector antenna for 14dB gain—includes 1 m M/M SMA cable, mounting hardware
ANT-5120	<ul style="list-style-type: none"> 120° indoor/outdoor 802.11a sector antenna for 12dB gain—includes 1 m M/M SMA cable, mounting hardware
ANT-5180	<ul style="list-style-type: none"> 180° indoor/outdoor 802.11a sector antenna for 10dB gain—includes 1 m M/M SMA cable, mounting hardware
ANT-LGTNG-A	<ul style="list-style-type: none"> MP-37x lightning protection kit for outdoor antenna installations F/F Type N Bulkhead, 0-6 GHz range with 1 m and .3 m M/M Type N-to-SMA cable and grounding attachment, mounting hardware
PD-3001-xx	<ul style="list-style-type: none"> PowerDsine PD-3001, single port 802.3af Midspan PoE injector
PD-6506-xx	<ul style="list-style-type: none"> PowerDsine PD-6506/AC/M, managed 6-port 802.3af Midspan PoE injector
PD-6512-xx	<ul style="list-style-type: none"> PowerDsine PD-6512/AC/M, managed 12-port, 802.3af Midspan PoE injector
PD NOTE	<ul style="list-style-type: none"> Please specify appropriate region code for included power cord type in place of XX: North America (NA), Europe (EU), United Kingdom (UK), Japan (JP) or Australia (AU)

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