

2.4/5 GHz, Dual Band MIMO Omnidirectional Antenna

These products are omnidirectional, operating at both the 2.4 GHz and the 5 GHz band. They are designed to support access points offering 802.11n coverage. The antennas are suitable for both indoor and outdoor installations, and include mounting hardware for wall/mast or ceiling mount applications, depending on model.

Features

- Omnidirectional antenna for indoor or outdoor operation
- Operates over the entire 2.4 and 5 GHz band
- MIMO enclosure - four or six antennas in the same housing
- White UL-94V0 radome
- Plenum rated, outdoor capable coaxial cables
- Azimuth and elevation plane adjustable wall or mast mount
- Ceiling mounting capable

RF/Electrical Specifications

Model	Frequency Range	Peak Gain (including 3ft cable)	Elevation Plane 3 dB Beamwidth	Azimuth Plane 3 dB Beamwidth
MPMI2458-4-RPC	2.4-2.5/4.9-5.9 GHz	4 dBi	60° / 33°	Omnidirectional
MPMI2458-6-RPSMA	2.4-2.5/4.9-5.9 GHz	5/7 dBi	25° / 15°	Omnidirectional
MPMI2458-3-RPSMA	2.4-2.5/4.9-5.9 GHz	5/7 dBi	25° / 15°	Omnidirectional

Mechanical Specifications

Model	Radome Dimensions	Cable	Connectors
MPMI2458-4-RPC	8.6 H x 6.3 OD inches	Four 36" Plenum Rated, UV Stable RG-58/U Leads	Three Reverse Polarity TNC(male) ANSI 7/16-28 UNEF 2B threads
MPMI2458-6-RPSMA	8.6 H x 6.3 OD inches	Six 36" Plenum Rated, UV Stable RG-58/U Leads	Six Reverse Polarity SMA (male)
MPMI2458-3-RPSMA	8.6 H x 6.3 OD inches	Three 36" Plenum Rated, UV Stable RG-58/U Leads	Three Reverse Polarity SMA(male)

Environmental Specifications

Model	Operating Temperature Range	Storage Temperature Range	Ingress Protection
MPMI2458-4-RPC	-30°C to +70°C	-40°C to +85°C	IP-54
MPMI2458-6-RPSMA	-30°C to +70°C	-40°C to +85°C	IP-54
MPMI2458-3-RPSMA	-30°C to +70°C	-40°C to +85°C	IP-54



Technical Data

Polarization: Linear, vertical
Nominal Input Impedance: 50 ohms
VSWR: 2:1
Radome: White, UL94 V-0 Rated Polycarbonate
Connector: Reverse Polarity TNC male ANSI 7/16-28 UNEF 2B threads
Mounting Method: 1.5" stud mount
Universal wall and mast mountable with included articulating mount. All tools and hardware included. Mounts to mast up to 1-1/2" in diameter.
Ceiling mountable to 1" thick ceiling tile with jam nut. Also includes rubber washer for mounting to smooth surfaces such as NEMA enclosures.