

VenU® Dual Band MIMO Omnidirectional Antenna

WiFi/Bluetooth®/BLE – Omnidirectional

MPMI2458-4-RPC, MPMI2458-6-RPSMA, MPMI2458-3-RPSMA



Description

Support access points
providing WiFi coverage

Technologies

- WiFi
- Bluetooth®

Features

- High performance – Omnidirectional, operates over the entire 2.4 and 5 GHz band
- Expansive – Holds three, four, or six antennas in the same MIMO enclosure
- Rugged – Plenum rated, outdoor capable coaxial cables
- Adaptable – Azimuth and elevation plane adjustable wall or mast mount



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These dual-band, omnidirectional antennas are designed to support access points that offer WiFi, ac coverage. The antennas are suitable for both indoor and outdoor installations, and include mounting hardware for wall/mast or ceiling mount applications, depending on the model.

Features

- High performance – Omnidirectional, operates over the entire 2.4 and 5 GHz bands
- Expansive – Holds three, four, or six antennas in the same MIMO enclosure
- Rugged – Plenum rated, outdoor capable coaxial cables
- Adaptable – Azimuth and elevation plane adjustable wall or mast mount

Applications

- WiFi
- Indoor and outdoor operations

Certifications



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Standard Configurations

Model	Cable	Connector	Mount
MPMI2458-4-RPC	Four 36 in (91.4 cm) Plenum Rated, UV-Stable RG-58/U Leads	Four Reverse Polarity TNC Male) ANSI 7/16-28 UNEF 2B threads	1.5-inch 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-inch thick ceiling tile with jam nut. Also includes rubber washer for mounting to smooth surfaces such as NEMA enclosures. (All Models)
MPMI2458-6-RPSMA	Six 36 in (91.4 cm) Plenum Rated, UV-Stable RG-58/U Leads	Six Reverse Polarity SMA (Male)	
MPMI2458-3-RPSMA	Three 36 in (91.4 cm) Plenum Rated, UV-Stable RG-58/U Leads	Three Reverse Polarity SMA (Male)	

Electrical Specifications – RF Antennas

Model	Frequency Ranges	Gain*	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth	Average Power	Nominal Impedance	Polarization
MPMI2458-4-RPC	2.4-2.5 GHz 4.9-5.9 GHz	4 dBi 4 dBi	2.0:1	Omnidirectional	60° / 33°	50 watts	50 ohms	Linear, vertical
MPMI2458-6-RPSMA	2.4-2.5 GHz 4.9-5.9 GHz	5 dBi 7 dBi	2.0:1	Omnidirectional	25° / 15°			
MPMI2458-3-RPSMA	2.4-2.5 GHz 4.9-5.9 GHz	5 dBi 7 dBi	2.0:1	Omnidirectional	25° / 15°			

Mechanical and Environmental Specifications

Dimensions (H x OD)	8.6 H x 6.3 OD in (21.8 x 16.0 cm)
Housing Material	PC (UV-Stabilized)
Ingress Protection	IP-54
Operating Temperature Range	-22°F to +158°F (-30°C to +70°C)
Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)

* Peak Gain includes 3 ft cable.

CONTACT US

**For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products**

Solving Complex Wireless Challenges

PCTEL, an Amphenol company, is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for decades, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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