



Antennas Technical Data Sheet

PE510M1012

Features

- · Point-to-multipoint applications
- · All weather operation
- · Heavy duty steel mounting bracket

Applications

- IEEE 802.11a/b/g/n and 802.11ac wireless networks
- 5.8 GHz UNII and ISM applications
- · 4.9 GHz Homeland Security and Public Safety band
- Four dual band inputs via 3 foot antenna leads with RP-SMA Plug connectors
- Compact design
- 2x2, 3x3 and 4x4 MIMO applications
- · Point-to-multipoint applications

Description

The HyperLink PE51OM1012 is a compact dual band omni-directional antenna specifically designed for MIMO (Multiple In / Multiple Out) applications. Unlike typical pole style omni-directional antennas, the PE51OM1012 features a compact and unobtrusive UV resistant radome. Its modern design and aesthetics helps it blend into almost any environment or structure.

The PE51OM1012 operates on both 2.4 GHz and 5.8 GHz frequencies. It is ideal for use with 4x4 MIMO radios since the PE51OM1012 features four separate 3 foot antennas leads terminated with RP-SMA Plug connectors. Each lead is dual band and supports both 2.4 GHz and 5.8 GHz. This antenna's construction features a durable UV resistant ABS radome for durability and ruggedness. Its mounting system features a heavy-duty mounting bracket and U-Bolts for superior strength.

Configuration

Design
Band Type
Radiation Pattern
Polarization
Cable Length
Connector Type
Interface 2
Interface 3
Interface 4
Number of Ports
Lightning Protection

Omni Multi

Omni Directional

Vertical

34.8 in [883.92 mm]

SMA Plug Reverse Polarity SMA Plug Reverse Polarity SMA Plug Reverse Polarity SMA Plug Reverse Polarity

4

DC Ground

Electrical Specifications

Description		Minimum	Typical	Maximum	Units
Frequency Ra	inge	2,400		5,850	MHz
Input VSWR			1.65:1	1.8:1	
Impedance			50		Ohms
Gain			4		dBi
Input Power				10	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4 to 2.5	4.9 to 5.85				GHz

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.4 / 5 GHz 4/6 dBi Omni-Directional 4x4 MIMO Antenna PE510M1012

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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Gain	4	6	dBi
Horizontal Beam Width	360	360	Degrees
Vertical Beam Width	50	45	Degrees
Maximum Input Power	10		Watts

Mechanical Specifications

Radome Material ABS

Size

 Radome Diameter
 7.3 in [185.42 mm]

 Overall Length
 7.3 in [185.42 mm]

 Width
 7.3 in [185.42 mm]

 Height
 3.9 in [99.06 mm]

Mounting Mast Diameter 1.4 to 2 in [35.56 to 50.80 mm]

Weight 2 lbs [907.18 g]

Mechanical Specification Notes: Radome material is UV resistant ABS.

Environmental Specifications

Temperature

Operating Range -40 to +60 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

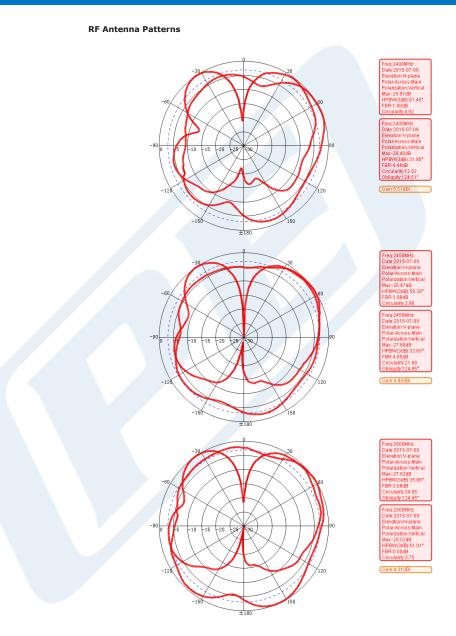
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2.4 / 5 GHz 4/6 dBi Omni-Directional 4x4 MIMO Antenna from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/multi-antenna-4-dbi-gain-sma-pe51om1012-p.aspx

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PE51OM1012 CAD Drawing

2.4 / 5 GHz 4/6 dBi Omni-Directional 4x4 MIMO Antenna

