

TMA-5XA-304VT

High Performance Tactical Mesh Antenna 5GHz Omni Antenna



PRODUCT OVERVIEW

This amplified Tactical Mesh Antenna (TMA) is designed for use in rugged and mobile wireless networking applications. TMA construction is highly durable and water resistant, while the small footprint and low profile design makes it an ideal solution for mounting on vehicles or in other space constrained applications.

Each TMA type is available in two options: 1) Standard; and 2) High Performance (HP-TMA). The standard TMA generally operates and performs in the same manner as a generic antenna with a similar gain rating, while the HP-TMA is designed to significantly increase signal coverage while maintaining the same pattern characteristics of the standard TMA.

The 4.4-4.8GHz High Performance Tactical Mesh Antenna (HP-TMA) adds in Luxul's patented signal boosting technology that efficiently increases signal reach while maintaining high data throughput rates. This signal boosting functionality adds up to 20dB of transmit gain and 18dB of receive gain, resulting in a farther reaching signal and better connectivity with client radios.

TMA-5XA-304VT TECHNICAL SPECIFICATIONS

Operating Range	5400 to 5850 MHz
Operating Temp	-40F (-40C) to +158F (70C)
Polarization	Linear-Vertical
Antenna Gain	4dBi
Azimuth Beam Width	360°
Elevation Beam Width	35°
VSWR	< 2.0 : 1
Impedence	50Ohm
EIRP	35dBm peak, 30dBm max average
Receive Gain	18dB Typical
TX Input Power	+8dBm to +20dBm
Receive Noise Figure	3.5dB Typical
Power Consumption	3W max (RX) 10W max (TX)
Power Options	Power Over Coax (POC)
DC Input Voltage	<ul style="list-style-type: none"> ▶ 36-57 VDC for an operational temp. range of -40F (-40C) to +158F (70C) ▶ 24-57 VDC for an operational temp. range of -4F (-20C) to +158F (70C)
Connector	N Female
Radome Material	Impact-Resistant, UV-Stabilized Polycarbonate
TMA Height	5.5 in. (140mm)
TMA Diameter	4.4 in. max (112mm)
Color	Desert Tan

MOUNTING OPTIONS

