



M2MAX®

High Performance External IP67 Antenna for Panasonic

A rugged outdoor antenna, M2MAX is designed to provide high performance connectivity for wireless machine-to-machine applications. This antenna mounts to virtually any M2M or IoT enabled asset and requires no servicing through its lifetime.

FEATURES

- Single Wi-Fi element
- Available in Bolt or Magnetic Mount

ADVANTAGES

- High gain provides bigger Wi-Fi footprint
- 5 year limited warranty included¹
- Covered by one or more patents and pending applications²

¹See terms and conditions at <https://airgain.com/antenna-plus-support/>

²For a list of the patents covering this product please visit <https://airgain.com/product-support/patents/>

PART NUMBER(S)

PART NUMBER	DESCRIPTION
AP-PAN-M2M2-W-Q-BL-15 Panasonic P/N: AI-G2MMWIFIB	Single Wi-Fi for Forklift application, Bolt mount, Black, 15 ft with TNC connector
AP-PAN-M2M2-W-M-BL-15 Panasonic P/N: AI-G2MMWIFIW	Single Wi-Fi for Forklift application, Magnetic mount, Black, 15 ft with TNC connector

TECHNICAL SPECIFICATIONS

ELECTRICAL (Performance results are measured in a test chamber with 1' LMR-195 cables and over a 2'x2' ground plane)

Frequency Range	Element 1	2.4/4.9-6.0 GHz
Operational Bands	Element 1	Wi-Fi
Peak Gain: Isotropic	Element 1	2.4 GHz, 5.5 GHz, 6.5 dBi, 4.2 dBi
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Isolation	Element 1	>30 dB

ENVIRONMENTAL

Hazardous Substances	RoHS Compliant
Temperature	-40°C to 65°C (-40°F to + 149°F) Operating and Storage conformance to IEC 60068
Humidity (Non-Condensing)	5% to 96% Operating and Storage conformance to IEC 60068
Water Ingress	IP67
Military Spec	MIL-STD 810 conformance to vibration

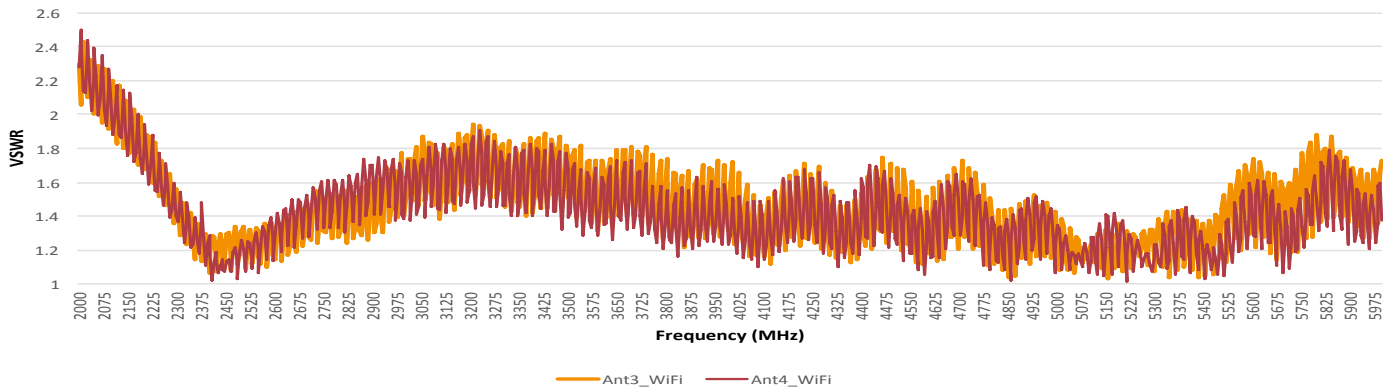
MOUNTING

Dimensions	Height	2.19" (55.5mm)
	Width	2.56" (65mm)
	Length	4.84" (122.9mm)
Color	Black (BL) or White (WH)	

CABLE

Wi-Fi	Type	LMR-195 Low Loss
	Diameter	0.195" (4.953mm)
	Length	1 ft (0.3m)
	Termination	RP-SMA Male

VSWR of Wi-Fi Antennas



Isolation of Wi-Fi Antenna

