



# Antenna Datasheet

**Product OC:** YEMG493KPAM

**Version:** 1.0

**Date:** 2025-10-30

**Product Name:** 4×4MIMO Panel Antenna

**Key Features:**

Frequency Band: 3300–4200 MHz

Dimensions: 210 mm × 210 mm × 48 mm

RoHS and REACH Compliant

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# 1 Specification

## 1.1. Electrical

Electrical		
Frequency Band, MHz	3300–3800	3801–4200
HBW, Ave., degrees	62	60
VBW, Ave., degrees	33	30
Gain, Ave., dBi	11.5	12
F/B ratio @ 180° ± 30°, dB	25	27
Isolation, dB	22	
PIM @ 2*43dBm, dBc	-153	
Maximum input power, watts	100	
VSWR	1.5(typical) / 1.6(worst case)	
Impedance, Ohm	50	
Polarization	±45°	

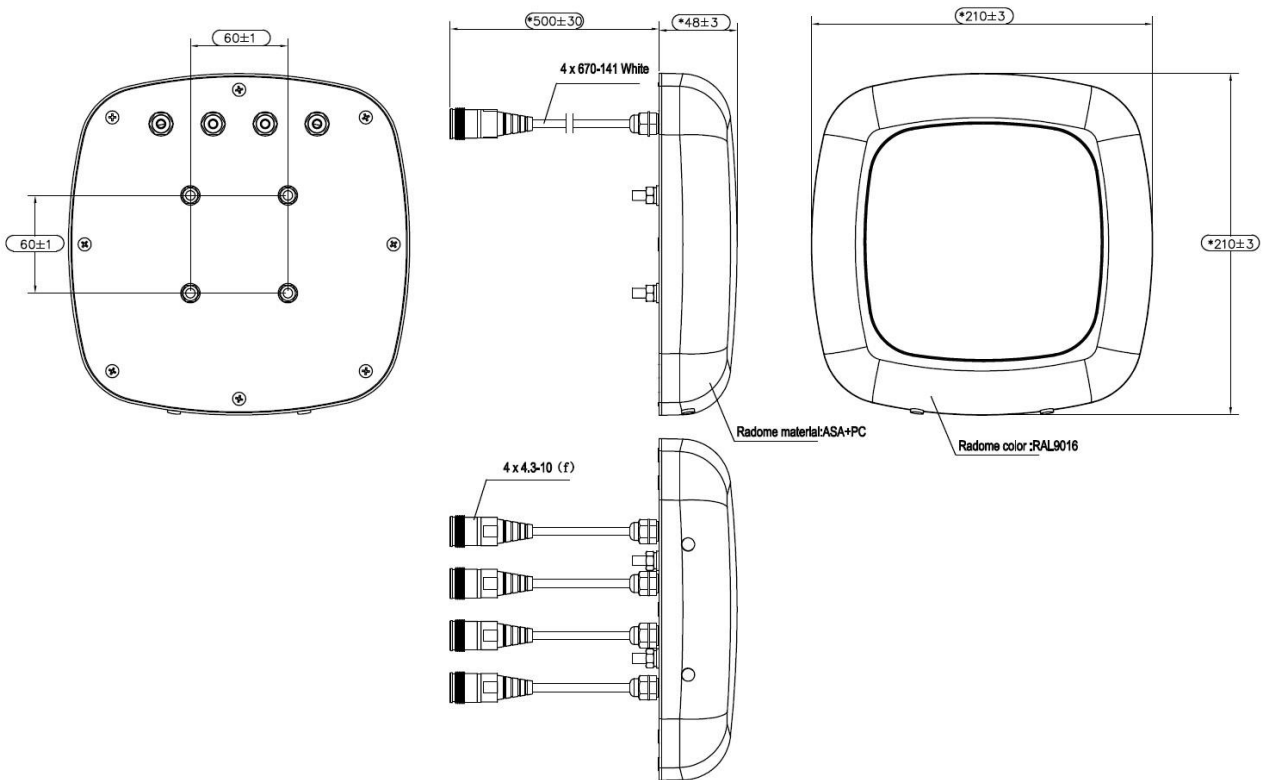
## 1.2. Mechanical & Environmental

Mechanical	
Antenna Dimensions	210 mm × 210 mm × 48 mm
Material & Color	ASA + PC & Off-white
Number of Ports, all types	4 × 4.3-10(f)
Maximum Wind-loading	216 km/h

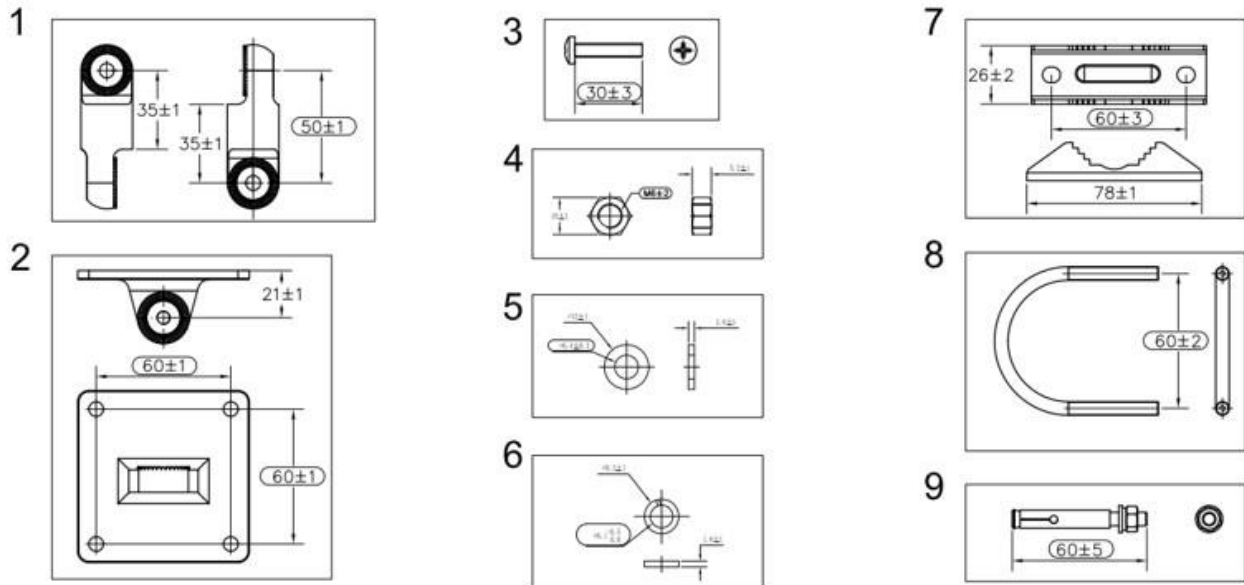
<b>Weight</b>	1 kg
<b>Mounting Type</b>	Wall / Pole mount
<b>Environmental</b>	
<b>Operation Temperature</b>	-40 °C to +60 °C
<b>Storage Temperature</b>	-40 °C to +60 °C
<b>Ingress Protection (IP) Rating</b>	IP65
<b>RoHS &amp; REACH Compliant</b>	Yes

# 2 Drawing

## Finished product drawings



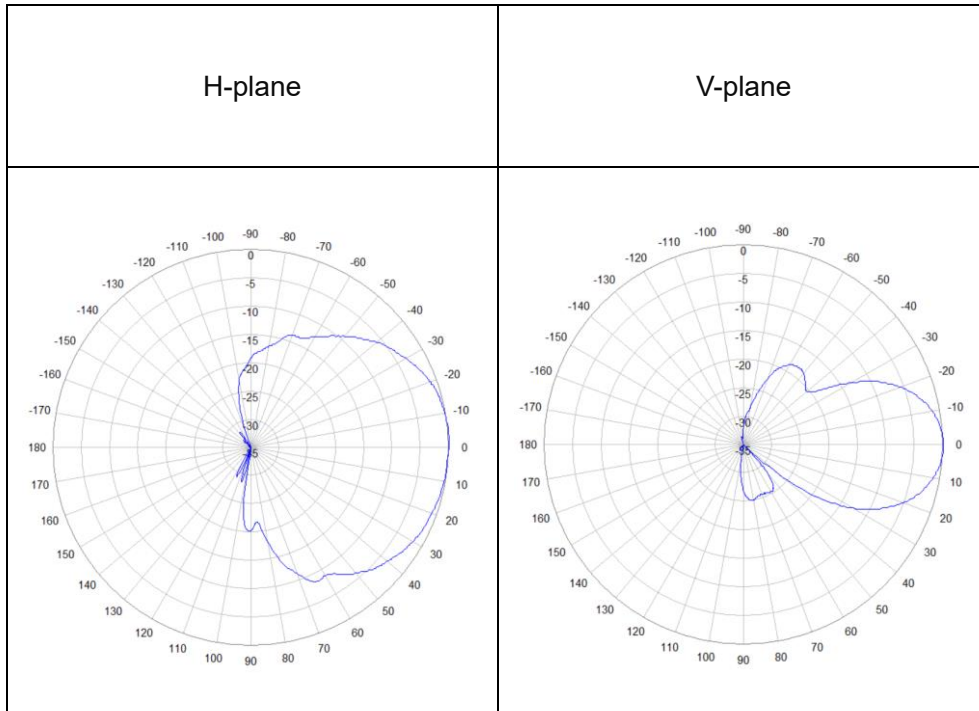
**Bracket drawings**






CODE	NAME	Specification	Material	Quantity
1	Angle adjusting arm		ADC12	1
2	Mounting plate		ADC12	2
3	Bolts	M6*30	Stainless steel 303/304/316	2
4	Nuts	M6	Stainless steel 303/304/316	4
5	Washers	6	Stainless steel 303/304/316	6
6	Springs	6	Stainless steel 303/304/316	6
7	U-bolt part1		Stainless steel 303/304/316	2
8	U-bolt part2	6	Stainless steel 303/304/316	2
9	Expansion Bolts	M6	Stainless steel 303/304/316	4

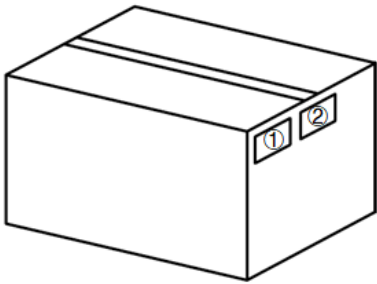
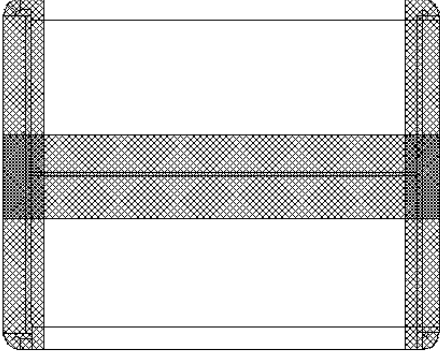
# 3 Detailed Performance

## 2D Radiation Pattern



# 4 Packaging

Step	Packaging Picture / 2D Picture	Description
1		Product drawing
2		1 antenna product in an inner box. (1 Antenna / Inner Box)
3		(8 Inner boxes / Carton Box) (8 Antennas / Carton Box) Estimated quantity Products that cannot fill the entire carton box are packed in a suitable size carton box. <u>Carton Size:</u> <u>L × W × H = 820 × 555 × 550 mm</u>

<p>4</p>		<p><b>Position for Attaching Labels</b></p> <ul style="list-style-type: none"> <li>① Carton Label</li> <li>② Quality Label</li> </ul>
<p>5</p>		<p><b>Sealing Cartons</b> H-shaped sealing cartons</p>
<p>Note</p>	<p>The initial packaging method described above is for reference only, and the final actual packaging method shall be subject to the actual shipping packaging.</p>	

## Contact Us

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# Revision History

Version	Date	Author	Note
-	2025-10-30	Ryder Zhang/ Mike Guo/ Riva Ren/ Aria Chu	Creation of the document
1.0	2025-10-30	Ryder Zhang/ Mike Guo/ Riva Ren/ Aria Chu	First official release

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