



Antenna Datasheet

Product OC: YEMG298WBAM

Version: 1.0

Date: 2025-10-30

Product Name: 2.4/5.8GHz Panel Antenna

Key Features:

Frequency Band: 2400–2483 MHz, 5150–5850 MHz

Dimensions: 270 mm × 270 mm × 43.41 mm

RoHS Compliant

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1 Specification

1.1. Electrical

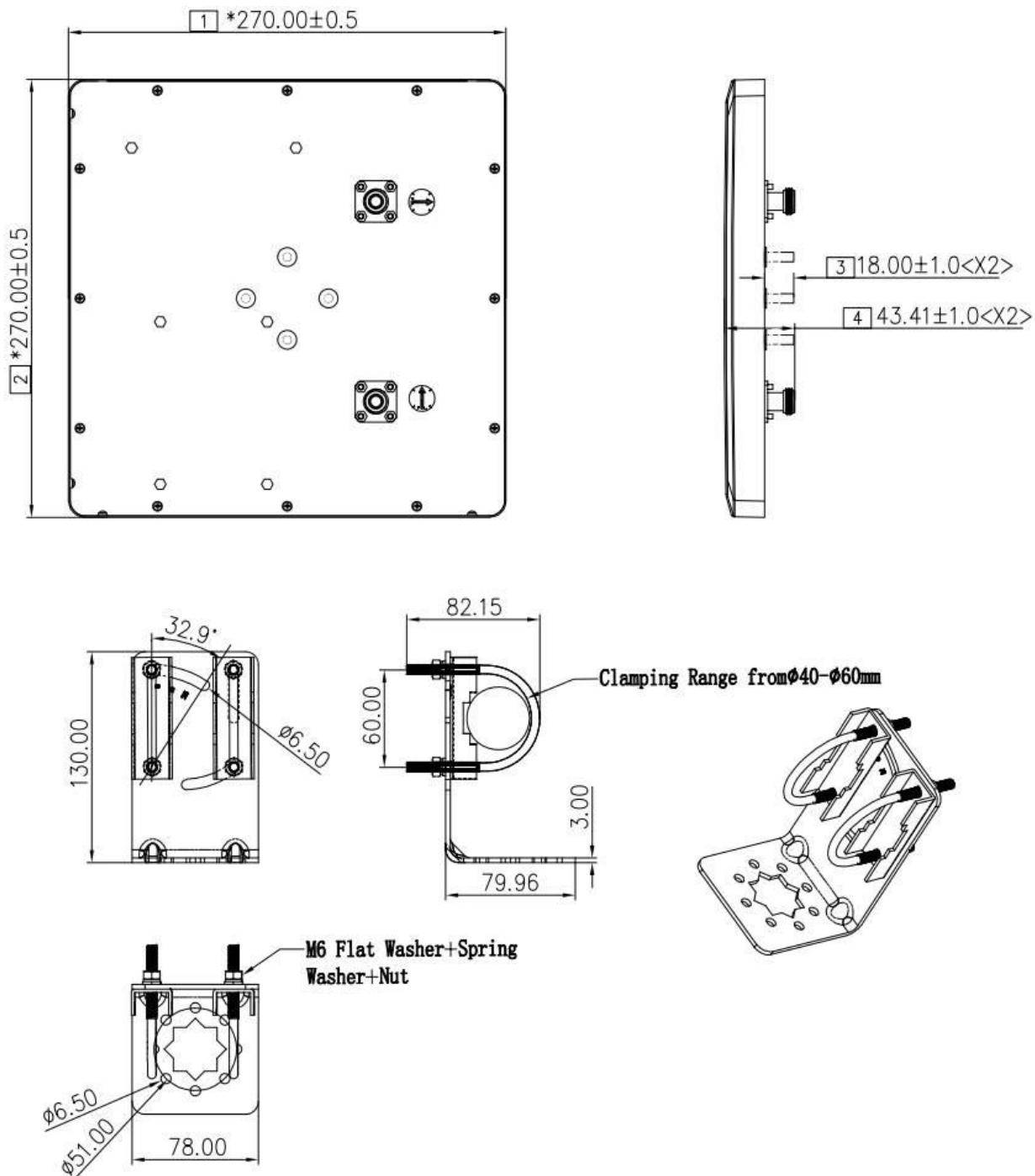
| Electrical | |
|-----------------------------|--|
| Frequency Band | 2400–2483 MHz, 5150–5850 MHz |
| Gain | 2.4GHz 14dBi, 5.8GHz 17dBi |
| VSWR | ≤ 1.5 |
| 3dB Beam-Width | 2.4GHz 45°(H)/45°(E) 5GHz 25°(H)/25°(E) |
| Polarization | Vertical & Horizontal |
| Front to Back Ratio | > 25 dB |
| Maximum Input Power | 100Watt |
| Input Impedance | 50Ω |
| Lightning Protection | DC Grounded |

1.2. Mechanical & Environmental

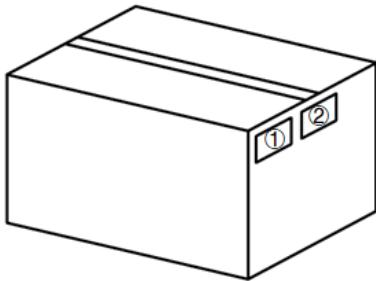
| Mechanical | |
|-------------------------------|----------------------------|
| Connector | 2 × N Female |
| Antenna Dimension | 270 mm × 270 mm × 43.41 mm |
| Weight | 1.4 kg |
| Radome Material | UV Protected ABS |
| Mounting Mast Diameter | Φ40-Φ60 mm |
| Environmental | |

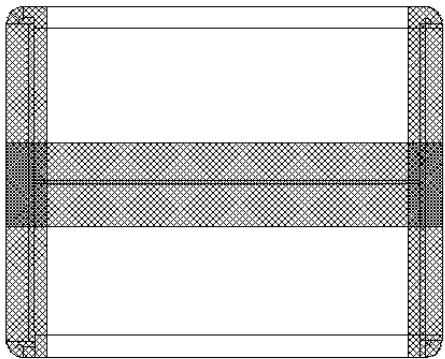
| | |
|------------------------------|------------------|
| Operation Temperature | -40 °C to +65 °C |
| Rated Wind Velocity | 216 Km/h |
| RoHS Compliant | Yes |

2 Drawing



3 Packaging

| Step | Packaging Picture / 2D Picture | Description |
|------|---|---|
| 1 |  | Product drawing |
| 2 |  | 2 antenna products in a PE bag. Then place it in the inner box. |
| 3 |  | (10 Inner Boxes / Carton Box) (10 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>$L \times W \times H = 530 \times 310 \times 300 \text{ mm}$</u> |
| 4 |  | Position for Attaching Labels ① Carton Label ② Quality Label |

| | | |
|------|--|--|
| 5 |  | Sealing Cartons H-shaped sealing cartons |
| Note | The initial packaging method described above is for reference only, and the final actual packaging method shall be subject to the actual shipping packaging. | |

Contact Us

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Revision History

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



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