

RADITEK

SATCOM Panel Antenna

Panel Antenna, Omni Directional Wide-Band, 698-2700MHz, Split Bands Indoor unit, 6.5-9.0dBi



Features:

- Broadband, coverage for 698MHz-2700MHz 2x2 MIMO application.
- Typically used in micro-cell or in-building distribution of 2G/3G/LTE and WLAN(Wi-Fi) services.
- Low return loss.
- Aesthetically pleasing and easy for in-building installations.
- Low PIM Option.



Order Examples: RANT-O-698-864M-6.5d-100W-Std-j18

Description: (Wide-band Omni Directional Indoor Antenna, 698-864MHz) 6.5dBi 100 Watts *Standard*)

Option: 870-960M, 1710-1880M, 1920-2170M, 2200-2500M and 2490-2700MHz

Gain See table below Power see table below

Additional option: Low PIM (Passive Intermodulation distortion)

Electrical Specifications								
Frequency Range		MHz	698-864	870-960	1710-1880	1920-2170	2200-2500	2490-2700
Gain		dBi	6.5	7.0	8.5	9.0	8.0	7.5
Polarization			±45					
Beam-width	Horizontal	deg	75	70	65			60
	Vertical		70		55/65		75/55	
VSWR			≤ 2.0:1		≤ 1.5:1			
Isolation		dB	23					
Power Handling		W	100		50			
Impedance		Ω	50					
Mechanical Specifications								
Dimensions, RxHxH		mm (in)	315x200x73mm (12.4x7.9x2.9)					
Weight		kg (lb)	0.5 (1.1)					
Radome Material and Color			ABS, white					
Reflector Material			Aluminum					
Radiating Element Material			Brass and PCB					
Connector Type			2 x N-Female					
Environmental Class			Indoor					
Mounting			Wall Mount with back 2 hole					
Shipping Dimensions, HxWxD		mm (in)	435x210x85 (17.1 x 8.3 x 3.3)					
Shipping Weight		kg (lb)	0.6 (1.3)					

Low PIM Model (Optional) as specs above plus PIM3: <-153dBc @ 2x43dBm.

RANT-O-698-2700M-xd-xW-Generic-j18

Specifications may be subject to change

01/21/15

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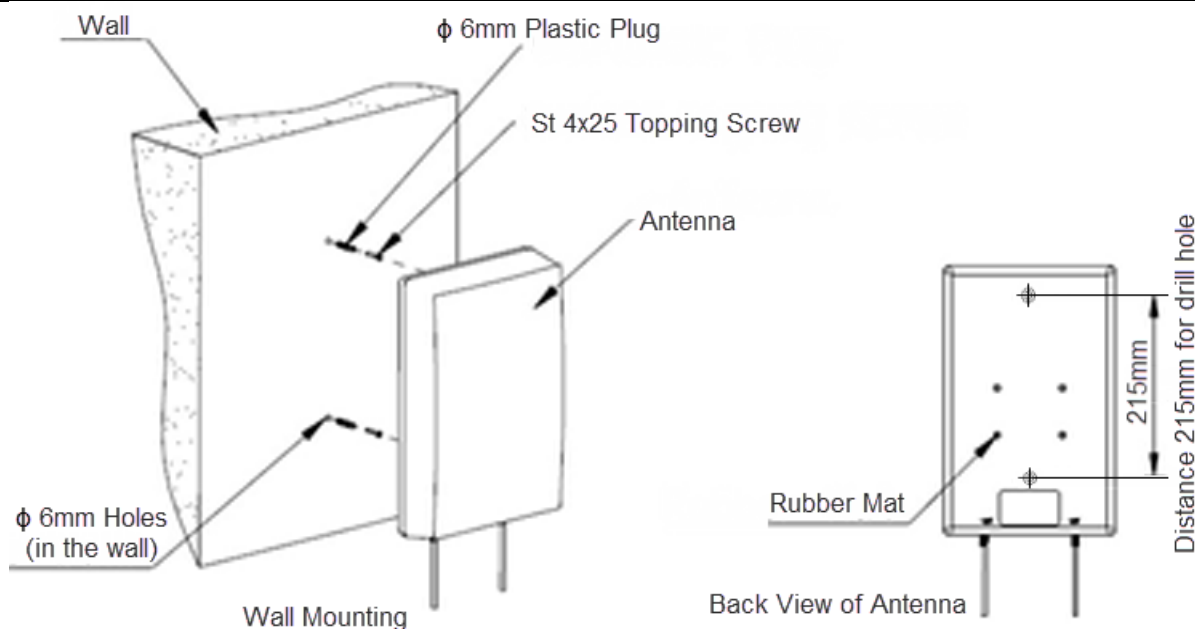
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Note for Installation Before excited installation, please read this guide carefully.

- Make sure qualified personnel are hired for installing this product such as working at height with safety awareness, tools operating skills, and etc.
- This is low PIM designed product and be gentle to bend the jumper cable and fasten the connectors.
- Please check the items against the below packing list and make sure the product is in good condition without any damage and none is missing.
- Check the necessary installation tools below are prepared on site before the installation.
- Find proper position and the flat surface of wall to mount this antenna based on the coverage design and planning documents.

Mounting Instruction



STEPS

- Mark the 2 drilling points at the desired position on the wall by the **drilling template** on this paper. Make sure the distance between them is **215mm**.
- Drill 2 holes on the wall and tap the 2 **plastic plugs** into them.
- Screw the 2 **tapping screws** into the plastic plug and leave the head of them 2-3mm out from the wall.
- Mount the antenna on through 2 back holes hooking up on the head of tapping screws. Adjust the head position of tapping screws to make sure the antenna was securely hooked up against the wall.
- Joint the connectors with systems.

Packing List		List of Installation Tools
Antenna	1	Percussion Drill and $\Phi 6\text{mm}$ bit
St 4*25 Tapping Screw	2	Phillips Screwdriver
6mm Plastic Plug	2	
QC Check		