

I-ATPS6-43-698/3800M-2260

High Capacity Venue Panel MIMO Antenna 698-3800 MHz

The high capacity venue MIMO antenna I-ATPS6-43-698/3800M-2260 is designed for broadband DAS applications supporting all kind of safety as well as 4G and 5G commercial wireless communication networks.

The antenna is specifically optimized for stadium applications to allow for capacity optimized desings with a minimum of interferences between individual sectors.

The antenna combines an aesthetical design with superior electrical characteristics notably a PIM optimized design to minimize network interferences. The antenna is constructed from lightweight materials ideal for easy ceiling mounting. The low profile and off-white radome blends easily into most building aesthetics with minimum visual impact.

FEATURES / BENEFITS

- Wideband panel antenna supporting the frequency bands 698-960MHz /1695-2700MHz / 3300-3800MHz
- · Ideally suited for high capacity venues as stadiums
- Indoor distribution of 2G/3G/4G/5G wireless networks ideally combined with multi-band MIMO
- · High level of side lobe suppression minimizing interferences between sectors
- PIM optimized antenna design (-153dBc @2x20W)
- · Low sidelobes
- · Consisten pattern over the full spectrum
- · Aesthetical visual appearance, compact and light weight
- 4.3-10 female connector

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Technical features

GENERAL SPECIFICATIONS

Product Type		High Capacity Venue MIMO Antenna				
Techn. Application		Indoor				
MECHANICAL SPECIFICATIONS						
Number of Input Ports		2				
Connectors		4.3-10 female				
Mounting Hardware included		Mounting Bracket				
Height (Less Connectors)	mm (in)	120 (4.7)				
Width (Less Connectors)	mm (in)	425 (16.7)				
Length (Less Connectors)	mm (in)	970 (38.2)				
Weight	kg (lb)	10.5 (23)				

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Frequency	MHz	698 - 800	800 - 960	1695 - 2180	2180 - 2700	3300 - 3800		
Gain, typ.	dBi	11.5	12.5	12.0	13.0	13.0		
VSWR / Return Loss	max	1.7 / 11.7	1.7 / 11.7	1.7 / 11.7	1.7 / 11.7	1.7 / 11.7		
Beamwidth, Vertical, typ.	o	68	65	68	64	65		
Beamwidth, Horizontal, typ.	o	25.5	22	24	20	21		
Isolation	dB	24	24	23	23	24		
Front-to-Back Ratio	dB	25	25	28	28	28		
Horizontal sidelobe	dB	16	16	16	16	16		
Maximum Input Power	W	200	200	200	200	100		
Impedance, Ohm	Ω	50						
Polarization		+/- 45°						
Intermodulation (IM3)		- 153dBc with 2 x 20W						
MATERIAL								
Radome Material		ABS, ASA, UV resistant						
Radome Color		White						
TEMPERATURE SPECIFICATIONS								
Operation Temperature	°C (°F)	-40 to 70 (-40 to 158)						
TESTING AND ENVIRONMENTAL								
Environmental Class		IP65						

External Document Links

Notes

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