

I-ATPS6-43-698/3800M-6060

High Capacity Venue Panel MIMO Antenna 698-3800 MHz

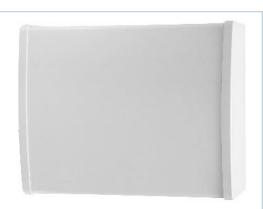
The high capacity venue MIMO antenna I-ATPS6-43-698/3800M-6060 is designed for broadband DAS applications supporting all kind of safety as well as 4G and 5G commercial wireless communication networks.

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
- · 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



I-ATPS6-43-698/3800M-6060

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)** 125 (4.9) mm (in) Width (Less Connectors) mm (in) 309 (12.2) **Length (Less Connectors)** mm (in) 380 (15) Weight kg (lb) 4.5 (9.9)

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PRODUCT DATASHEET

I-ATPS6-43-698/3800M-6060

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_		600 000	000 000	4605 2400	2400 2700	2200 2000
Frequency	MHz	698 - 800	800 - 960	1695 - 2180	2180 - 2700	3300 - 3800
Gain, typ.	dBi	8.0	8.5	8.0	8.8	8.0
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.	0	62	59	54	66	64
Beamwidth, Horizontal, typ.	0	61	59	55	68	65
Isolation	dB	28	28	28	28	28
Front-to-Back Ratio	dB	23	23	23	23	23
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		PVC				
Radome Color		Grey				
TEMPERATURE SPECIFICATIONS						
Operation Temperature	°C (°F)	-40 to 70 (-40 to 158)				
TESTING AND ENVIRONMENTAL						

IP65

External Document Links

Environmental Class

Notes

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