AO-6940V45M03

Ceiling Mount Omni MIMO Antenna 698-4000 MHz 5dBi

Operating Frequency Range

• 698-960 MHz, 1710-2700 MHz, 3300-4000 MHz

Features and Benefits:

- 2-Port Omnidirectional MIMO Antenna for indoor DAS and high capacity venues Typically used in indoor distribution of 2G/3G/4G/5G wireless services in all standardized frequency bands
- PIM optimized antenna design (-150dBc @2x20W)
- Low return loss, stable performance
- Ultra Low Profile, lightweight and easy to install
- Pigtail with 4.3-10 female or N-female
- Mounts directly and easily to ceiling tile



Technical & Mechanical Specifications

Electrical Specifications			
Frequency Range, MHz	698-960	1710-2700	3300-4000
Nominal Gain, dBi	4.0	5.0	5.0
VSWR	≤1.8	≤1.8	≤1.8
Polarization	Vertical		
PIM, 3rd Order, 2x20W	≤-150 dBc		
Horizontal Beam width	360°		
Vertical Beam width (°)	90	60	40
Isolation (dB)	≥20		
Input Impedance	50 Ω		
Max. Input Power	50 W		
Lightning Protection	DC Ground		
Mechanical Specifications			
Connector	4.3-10 Female or N Female		
Dimensions (mm)	ø207 x 56		
Weight, without Mounting Kit	Approx. 0.6 kg		
Radome Material	ABS (UV Stabilized)		
Radome color	White (RAL 9003)		
Operating humidity	5-95 %		
Operating Temperature	-40°C to +60 °C		
Ordering Options			
AO-6940V45M03-43	Antenna with 12" Coaxial Plenum Rated Pigtail with 4.3-10 Female Connector		
AO-6940V45M03-N	Antenna with 12" Coaxial Plenum Rated Pigtail with N-Type Female Connector		

AO-6940V45M03



1. Drill a Φ 33 - Φ 35 hole on the ceiling.

- 2. Install the antenna as the following picture shows then tighten the bolts.
- 3. Connect the RF jumper to antenna connector.

Note: The antenna pleases not to install on the big area metals, in order to prevent influence antenna result.

