

MT2406M09DS/2

2.4 – 2.5, 5 – 7.15 GHz 2x2 Access WIFI



Wireless Edge

Antenna Solutions

An MTI Company

Electrical

Regulatory Compliance RoHS , CE 0682

Frequency Range	2.4 – 2.5 GHz	5 – 7.15 GHz
Polarization	Dual slant $\pm 45^\circ$	
Gain without cable	7 dBi	7.0 – 8.0 dBi
Gain with cable	7.0 \pm 0.5 dBi	7.0 \pm 1.0 @ 5.0-7.0 6.0 \pm 0.7 @ 7.0-7.15
VSWR	2.0 : 1	
-3 dB Beam Width Azimuth	70° typ	56° typ
-3 dB Beam Width Elevation	70° typ	56° typ
Port to Port Isolation	20 dB	20 dB
Cross Polarization	9 dB	9 dB
Input Impedance	50 ohm	
Input Power	6 W max	
Lightning Protection	DC Grounded	

Mechanical

Dimensions	190 x 190 x 40 mm max Additional 11 mm on each side are required for antenna wall installation
Weight	1.0 kg max
Connector	2 x SMA Reverse Polarity with 750 mm cable
Radome	Plastic RAL-9002
Base Plate	Plastic

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-40 °C	
High Temperature	IEC 68-2-2	72 h	+85 °C	
Vibration	IEC 60721-3-4	30 min/axis		Random 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Solar Radiation	ASTM G53	2000 h		
Flammability	UL 94			Class V2
Salt Spray	IEC 68-2-11 Ka	200 h		
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load	Front Thrust			10.3 kg
Survival	Side Thrust			2.2 kg

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