



IV02OMI136-U4

NWAV™ Ultra Thin Wide Band OMNI|MIMO Antenna

MIMO 360° High Performance OMNI antenna, 2 ports 617-5925 MHz

- Outstanding pattern performance
- Ultra thin antenna for aesthetic considerations
- 2x2 MIMO iDAS and Small Cell ceiling mount antenna
- Wide band OMNI covering 617-5925 MHz
- PIM certified @ 2x20 watts
- Excellent Return Loss performance
- Thru-mount for normal tile applications



Electrical specification

Frequency bands, MHz	617-649	650-697	698-806	824-894	895-960	1695-1890	1890-1910	1910-2180	2300-2500	2500-2690	3400-3549	3700-4000	3550-4200	5150-5925	
Polarization, deg	Horizontal														
Impedance, ohms	50														
Horizontal beamwidth	Omni (360°)														
Gain, dBi, max	5.2				6.1				4.6		4.8			4.7	
Gain, dBi, average	4.0				5.4				3.8		3.8			3.9	
Isolation, dB, typical	22	22				20				25			28		
Aver. VSWR / return loss, dB, max	1.5:1 / -14.0	1.4:1 / -15.6	1.45:1 / -14.7	1.45:1 / -14.7	1.25:1 / -19.8	1.2:1 / -20.8	1.1:1 / -26.4	1.2:1 / -20.8	1.57:1 / -13.1	1.3:1 / -18.0	1.45:1 / -14.7	1.3:1 / -18.0	1.3:1 / -18.0	1.4:1 / -15.6	
Max VSWR / return loss, dB	1.7:1 / -11.7	1.55:1 / -13.3	1.65:1 / -12.2	1.6:1 / -12.7	1.5:1 / -14.0	1.5:1 / -14.0	1.5:1 / -14.0	1.5:1 / -14.0	1.7:1 / -11.7	1.58:1 / -13.0	1.65:1 / -12.2	1.5:1 / -14.0	1.65:1 / -12.2	1.95:1 / -9.8	
PIM @ 2x43 dBm	-153				-153				N/A						
Maximum input power port, W	20														

Mechanical specifications

Dimensions diameter / height / height with ceiling mount, in. (mm)	10.5/ 0.4/ 2.0 (257.8/ 10.2/ 51.6)
Shipping dimension, in. (mm)	12.0/ 12.0/ 4.0 (304.8/ 304.8/ 101.6)
No. of RF input ports, connector type	2 x 4.3-10 female
Connector torque	44.25 lbf-in (5 N·m or 3.7 lbf-ft)
Antenna weight, lb (kg), net	1.05 (0.48)
Shipping weight, lb (kg)	1.5 (0.68)



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Mechanical specifications	
Mounting	Ceiling or surface mount
Application	Indoor / Outdoor (IP65)
Operating temperature	-40 °F to +140 °F (-40 °C to +60 °C)
Pigtails	12 in. Plenum rated
Regulatory compliance/certifications	
ROHS	Compliant. See JMA support page
REACH	Compliant. See JMA support page
Order information	
MODEL	DESCRIPTION
IV02OMI136-U4	Ultra thin OMNI-MIMO with 4.3-10.0 pigtails

For installation instructions, see [IV0XOMI136 Antenna Installation Guide 81900516](#).