



HORIZON 4X4 MIMO DUAL-BAND MINI Product code: IH-G0405-F2460-V-M

The antenna is specially designed to work in such conditions. This antenna is designed for installation in WAVE2 and the MU-MIMO multiplexing time-space technologies. The antenna operates in two frequency bands 2.4 and 5 GHz, offering excellent utilization of the radio spectrum. Specially designed arrays of radiators with low self capacitance guarantee correct operation with a high degree of encoding - 256 QAM, which is used in such systems. Low capacitance does not introduce blurring of digital signals and help to avoid appearance of parasitic currents and reflections.

electrical

Frequency band(s)	a. 2400 - 2500	b. 4800 - 6000
Frequency (min)	2 400MHz	
Frequency (max)	6 000MHz	
Gain	a. 4dBi	b. 5dBi
VSWR (max)	1.70:1	
Polarization	Vertical	
Half Power Beam Width (-3dB) - horizontal	a. 360°	
Half Power Beam Width (-3dB) - vertical	a. 35°	
XPD (Cross Polarization Discrimination)	>18dB	
Port to Port Isolation:	>20dB	
Max Composite Power	2W	
DC Ground	no	
Impedance	50Ω	

mechanical

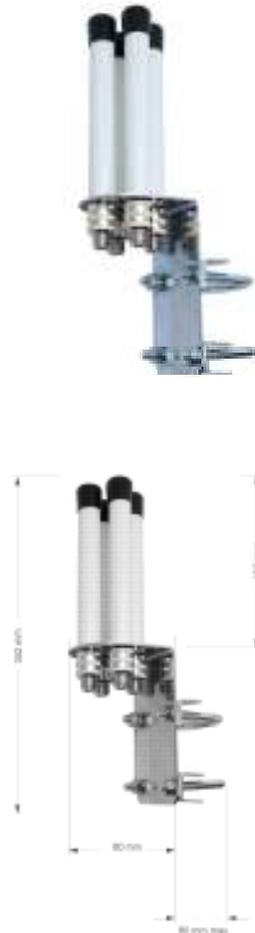
Connector	N female
Mounting Diameter	∅ 38...51mm
Dimensions (excl. mount)	300x80
Weight (incl. mount)	1.10kg

enviromental

Enviroment	Outdoor
Windload	13N (@170km/h)
IP Rating	IP64
Temperature	-40°C ... 80°C

compliance

ETSI EN 302 326-3 (CE)	compliant
2002/95/EC (RoHS)	compliant
2002/96/EC (WEEE)	compliant



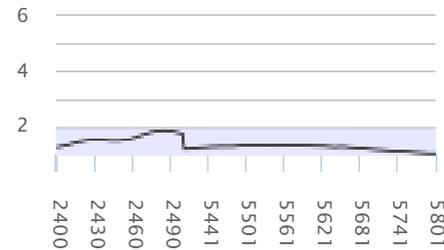
Installation tips:

Fine adjustment of the antenna ensures the correct propagation of radio signals. Proper installation of the mast, antenna and cable provide a stable and proper operation of the antenna installation.

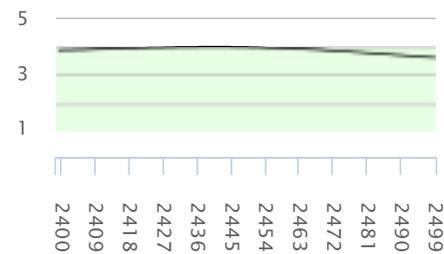
- Level mast or boom using a bubble leveler.
- Assemble the antenna mount as on drawing.
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- Assemble the antenna mount as on drawing.
- Mount antenna on the mast.
- Level the mast or boom, check antenna vertical position.
- Vent holes should be located at the bottom of the antenna.
- Screw the antenna to the mast, leaving slack in the adjustment of direction and inclination.
- Determine the direction and inclination.
- Finally tighten the mounting screws.
- Connect cable and insulate antenna connector.
- Fasten cable to the mast or boom.
- It is worth to note achieved link parameters.



VSWR: IH-G0304-F2456-V



GAIN: Trc1_S21 [dB]



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