



Product code: IH-G12-F2425-V

HORIZON 12/2.4GHz

Each interline product is designed to perform in a variety of environments. Implementing the antenna system can greatly improve coverage and performance. To optimize the overall performance of a wireless LAN, it is important to understand how to maximize radio coverage with the appropriate antenna selection and placement. An antenna system comprises numerous components, including the antenna, mounting hardware, connectors, antenna cabling, and in some cases, a lightning arrester.

electrical

Frequency (min)	2 400MHz
Frequency (max)	2 500MHz
Gain	a. 12dBi
VSWR (max)	1.60:1
Polarization	Vertical
Half Power Beam Width (-3dB) - horizontal	a. 360°
Half Power Beam Width (-3dB) - vertical	a. 6°
XPD (Cross Polarization Discrimination)	>18dB
Max Composite Power	50W
DC Ground	yes
Impedance	50Ω

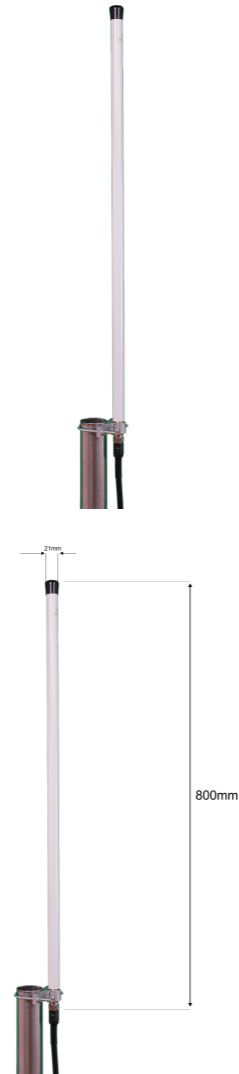
mechanical

Connector	N female
Mounting Diameter	∅ 38...51mm
Dimensions (excl. mount)	800x26mm
Weight (incl. mount)	0.40kg

enviromental

Enviroment	Outdoor
Windload	130km/h
IP Rating	IP64
Temperature	-40°C ... 80°C

compliance



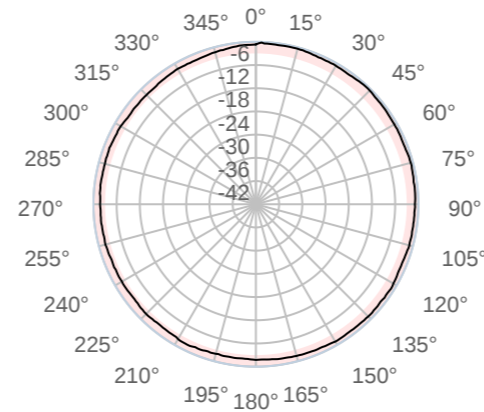
Installation tips:

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.

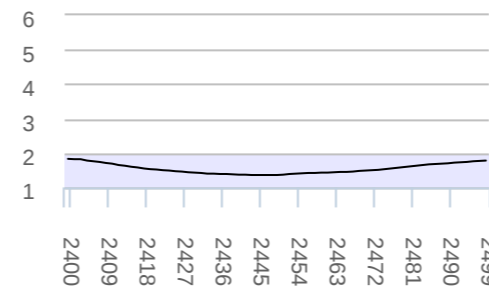
- Level mast or boom using a bubble leveler.
- Assemble the antenna mount as on drawing.
- Mount antenna on the mast.
- Level the mast or boom, check antenna vertical position.
- Finally tighten the mounting screws.
- Connect cable and insulate antenna connector.
- Fasten cable to the mast or boom.
- It is worth to note achieved link parameters.



RPE - HORIZONTAL



VSWR: Hor 12 new vswr



RPE - VERTICAL

