



+ EN-5820
Product Datasheet



Enclosure with integrated 20dBi 5.8GHz Antenna

Stock code: EN-5820

FEATURES

- Integrated 20dBi – 5.8GHz Antenna
- IP66 Weatherproof
- With pole mounting bracket
- Weatherproof RJ45 Connector

DESCRIPTION

This flexible outdoor enclosure has an integrated 20dBi flat panel antenna for 5.8GHz applications such as Wireless LAN. The antenna is mounted inside the enclosure to provide an aesthetically pleasing look without any visible antennas. Using an integrated solution such as this increases RF performance by reducing cable loss between your wireless equipment and the antenna.

The polarization of the antennas can be adjusted between Horizontal and Vertical by turning the internal antenna plate through 90 degrees – without interfering with the mounting of the unit.

This integrated solution is specifically designed for harsh outdoor applications. The enclosure is completely weatherproof and has an IP66 outdoor rating against ingress of water or dust. Ample internal space is provided to suit most electrical components and applications. These components can be neatly and professionally installed into the enclosure with the adhesive internal mounting feet provided.

The enclosure is ideal for outdoor radio applications as it includes a weatherproof RJ45 connector and makes provision for up to four N-Type Connectors to be mounted on the base of the unit. This makes it possible to deploy multiple radio interfaces in the same enclosure – utilizing the integrated 20dBi 5.8GHz antenna and other external antennas such as Omni-Directional antennas or High-Gain Grids.

A pole mounting bracket is included which allows the enclosure to be mounted on poles up to 50mm (1.97 inches) in diameter. This mounting bracket allows vertical adjustment of the antenna between +45 Degrees and -45 Degrees.



SPECIFICATIONS

External Dimensions: Length : 280mm
 Width : 265mm
 Depth : 95mm

Internal Dimensions: Length : 225mm
 Width : 225mm
 Depth : 60mm

Antenna Connector: SMA Female

Antenna Frequency Range: 5.400 ~ 5.85 GHz
Antenna Gain: 20 dBi
Horizontal Beam width: 18 Degrees
Vertical Beam width: 18 Degrees

- All specifications are subject to change without notice

