



Frequency: 410-425MHz

Gain: 12 dBi

Power Rating: 100W

Connector: N Female

OVERVIEW

BRIDGE PANEL ANTENNAS are compatible with any Cellular, IoT, TETRA, WIFI, VHF and UHF network system.

The antennas are designed using narrow-beam technology and allowing them to generate highly directional radiation to distant sites. A combination of high-density elements and low-interference technology allows the antennas to occupy a narrow footprint while maintaining stable high-gain performance. Rugged materials are used in the manufacturing process, allowing the antennas to withstand outdoor environments.

KEY FEATURES

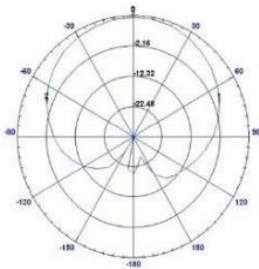
- N, Din and 4.3-10 connector are available upon request
- Multiple gain and beam angle options available
- Antennas have an IP protection rating of IP65 making them suitable for outdoor applications

Product Pictures

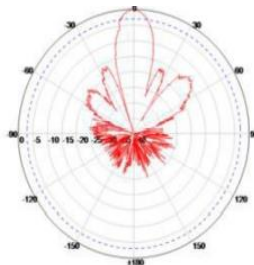


Radiation Diagrams

Horizontal plane pattern



Vertical plane pattern



TECHNICAL DATA

Electrical Specifications

Frequency Range (MHz)	410-425
Gain	12±1 dBi
VSWR	≤1.8
Polarization	Vertical
Beamwidth- H	75±10 °
Beamwidth- V	25±8 °
Power Rating	100W
Impedance	50Ω

Mechanical Specifications

Connectors	1 X N Female
Dimensions	1200 x 280 x 125mm
Weight	5.8kg
Radome Color	White
Radome Material	Fiber-reinforced plastic

Environmental Specifications

Wind Load	16.67m/s
Temperature	-40~+55 °C
Humidity	≤95%
IP Rating	IP65
Lightning Protection	DC Ground

Installation Specifications

Installation Method	Pole Mounting
Mounting Pole Diameter	TBD
Mechanical Tilt	0-10°

Disclaimer All images are for reference purposes only

Revised: | B.1.1

Important Notice: Information contained in this data sheet is believed to be reliable at the date of issue, accuracy and completeness is not guaranteed. Bridge Components holds the right to change the product specifications without notice.