

Frequency: 420-5850MHz

Gain: 6/8/10 dBi

Power Rating: 100W

Connector: 6x SMA Male/PG7

## 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



### Electrical Specifications

Frequency Range (MHz)	(1) 420-450MHz (2) 902-928MHz (3) 1208-1280MHz (4) 1559-1610MHz (5) 2400-2485MHz (6) 5725-5850MHz
Gain	6.5±1 dBi (Frequency①) 8±1 dBi (Frequency②③④) 10±1 dBi (Frequency⑤⑥)
VSWR	≤2.2 (Frequency①) ≤1.8 (Frequency②③④⑤⑥)
Polarization	Vertical
Beamwidth- H	90±15° (Frequency①) 65±15° (Frequency②③④⑤⑥)
Beamwidth- V	65±10° (Frequency①) 35±8° (Frequency②③④⑤⑥)
Power Rating	100W
Impedance	50Ω

### Mechanical Specifications

Connectors	6 x 1m-RG141 cable/SMA Male&PG7
Dimensions	390 x 390 x 55mm
Weight	TBD
Radome Color	White
Radome Material	Fiber-Reinforced Plastic

### Environmental Specifications

Wind Load	60m/s
Temperature	-30°C ~+70°C
Humidity	≤95%
IP Rating	TBD
Lightning Protection	DC Ground

### Installation Specifications

Installation Method	Pole
Mounting Pole Diameter	Φ30-Φ50mm
Mechanical Tilt	0-10°

Disclaimer All images are for reference purposes only

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**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.