

***ibridge Panel Antenna  
2400 to 2485 MHz Operation***

**Features:**

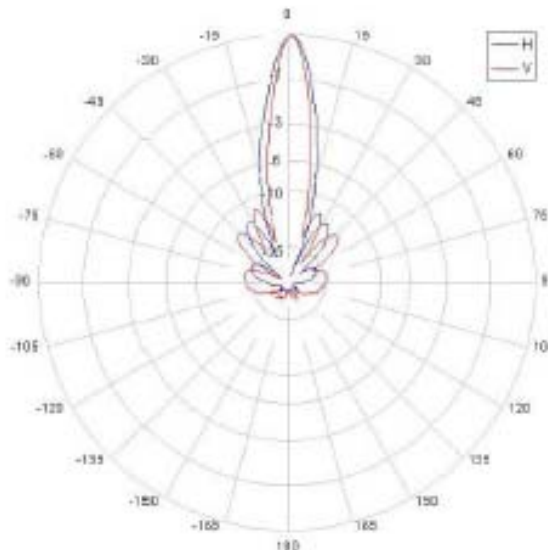
- RooTenna, the antenna with a pouch!
- Low Profile 19 dBi Antenna Gain
- 16.25"x 14.75"x 2" Weatherproof Radio Compartment
- Vertical or Horizontal Polarization, Beamwidth 15/20 deg
- Universal "Breadboard" Mounting Surface eases installation of inside components
- Available with RPSMA, RPTNC, MC Card, MMCX, RPYMMCX and U.FL antenna connector Applications
- Integrated Radio/ Antenna Units • WISP CPE Equipment
- Amplified Antennas • 802.11b/g Applications



**Description:**

The ib24-18 panel antenna offered by Ibridge Networks Inc. is designed to allow integration of the customers' radio equipment inside the weatherproof compartment. The radio compartment is big enough to house transceivers, amplifiers, and other electronic equipment. The antenna design utilizes a unique suspended wire element over a solid backplane for more consistent performance over temperature and humidity conditions. The unit includes a unique "breadboard" layer inside the back cover to allow the customer to mount any various electronics using 8-32 screws. The housing is UV stabilized ABS plastic. The backplate is alodine coated aluminum with stainless steel fasteners. All bracket fasteners are stainless steel for corrosion protection.

**Antenna Patterns at 2.45GHz**



**Specifications:**

Parameter	Min	Typ	Max	Units
<b>Frequency Range</b>	2400		2485	MHz
<b>Input Return Loss (S11)</b>		-14		dB
<b>VSWR</b>		1.5:1		
<b>Impedance</b>		50		OHM
<b>Input Power</b>			20	W
<b>Operating Temperature</b>	-45		+70	Deg C
<b>Gain</b>		19		dBi
<b>3db Beam Angle (E- Plane)</b>		15		Deg
<b>3db Beam Angle (H- Plane)</b>		20		Deg
<b>Fron to Back</b>	30			dB
<b>Weight</b>		9(4.1)		Lb(kg)
<b>Compartment Dim (LxWxH)</b>	16.25"x14.75"x2" 143x375x50			Inches (mm)
<b>Outside Dim (LxWxH)</b>	18.5"x16.8"x4" 470x427x102			Inches (mm)

Wind Loading	100MPH	125MPH	100MPH with 1/2" Radial Ice
Force (Lbs)	77.8	121	83



**Marketed & Distributed in India By:**  
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