

Newbridge

2.4 GHz and 5GHz External Antennas for Outdoor AP/Bridge.

Newbridge offers an enterprise range of antennas specifically designed to optimize 802.11 wireless connectivity in particular environments. These antennas extend the flexibility and coverage of Newbridge wireless bridges and enterprise outdoor access points (APs) that support external antenna options, enabling their deployment in a variety of in-building and building-to-building network environments.

An antenna gives the wireless system three fundamental properties: gain, direction and polarization. Gain is a measure of increase in power. Gain is the amount of increase in energy that an antenna adds to a radio frequency (RF) signal. Direction is the shape of the transmission pattern. As the gain of a directional antenna increases, the angle of radiation usually decreases. This provides a greater coverage distance, but with a reduced coverage angle. The coverage area or radiation pattern is measured in degrees. These angles are measured in degrees and are called beamwidths.

An antenna is a passive device which does not offer any added power to the signal. Instead, an antenna simply redirects the energy it receives from the transmitter. The redirection of this energy has the effect of providing more energy in one direction, and less energy in all other directions

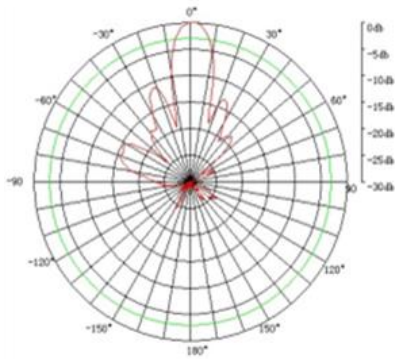
Beamwidths are defined in both horizontal and vertical planes. Beamwidth is the angular separation between the half power points (3dB points) in the radiation pattern of the antenna in any plane. Therefore, for an antenna you have horizontal beamwidth and vertical beamwidths.

Model: **NB-24-14D90A**

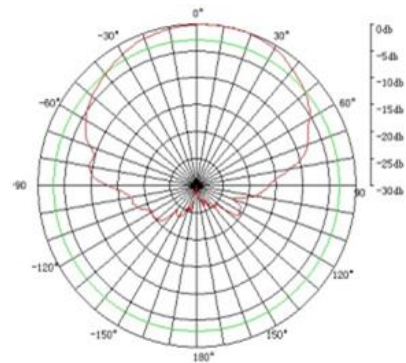
2.4GHz 2X2 MIMO Panel Directional Antenna



Specifications	
Model	NB-24-14D90A
Frequency Range-MHz	2400-2483
Gain-dBi	14
VSWR	?2
Horizontal Beamwidth—°	90°
Vertical Beamwidth—°	15°
F/B Ratio-dB	>25
Polarization	Vertical and Horizontal
Impedance -Ω	50
Maximum Input Power -W	100
Connector	2xN-K
Antenna Dimension-mm	450x165x35
Weight-Kg	2.04
Mounting Mast Diameter-mm	Ø30-Ø50
Rated Wind Velocity-Km/h	241



E-plane



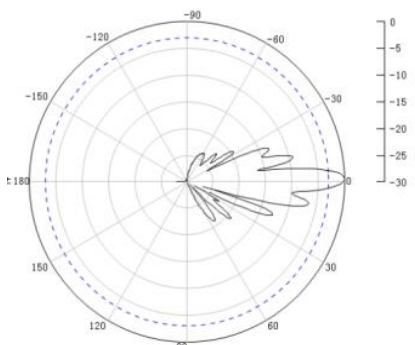
H-plane

Model: NB-50-17D90A

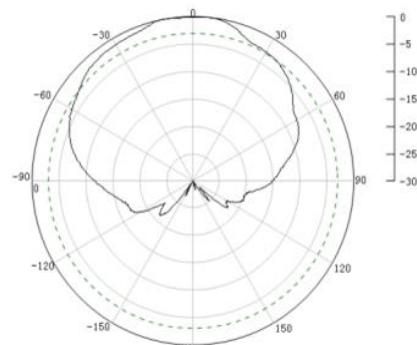
5GHz 2X2 MIMO Panel Directional Antenna



Specifications	
Model	NB-50-17D90A
Frequency Range-MHz	5150-5850
Gain-dBi	17
VSWR	?2
Horizontal Beamwidth-°	90
Vertical Beamwidth-°	8
F/B Ratio-dB	> 25
Polarization	Vertical and Horizontal
Impedance -Ω	50
Maximum Input Power-W	100
Connector	2xN-K
Antenna Dimension-mm	450x165x35
Weight-Kg	2.04
Mounting Mast Diameter-mm	Ø30~Ø50
Rated Wind Velocity-Km/h	241



E-plane



H-plane

Order Information

Part No.	Description
NB-24-14D90A	2.4GHz 2X2 MIMO Panel Directional Antenna
NB-50-17D90A	5GHz 2X2 MIMO Panel Directional Antenna
NB-CAB-ME-Ant-1m	RGB/U Antenna Cable, N connector, 1m

Visit www.newbridgewireless.net for more information about Newbridge Hospitality Wi-Fi Solutions.