

ANT-MD24-12

The ANT-MD24-12 2.4GHz Mini Directional antenna is a sub-compact antenna for the most demanding client applications. The antenna offers high gain in an ultra-small aesthetically pleasing package. The antenna is constructed of gray color UV ABS plastic with aluminum backplate and stainless steel mounting bracket. The antenna can be used in Horizontal or Vertical Polarization by making a change to the mounting bracket. The stainless steel bracket affords +/- 15 deg tilt adjustment. The compact low visual impact attractive styling blends well in almost any application. The antenna comes with an integral N Female connector standard.

702-W / 702M12-W APPLICATIONS

- Wireless LAN applications
- Client antennas
- 802.11b/g applications

SPECIFICATIONS

Frequency Range: 2400 - 2483 MHz 12 dBi Horizontal Beamwidth: 65 deg Vertical Beamwidth: 34 deg Front to Back: 25 dB VSWR: 1.5:1 Impedance: 50 ohms Input Power: 100 Watts -40° to 70° C Operating Temparature: Pole Size (diameter): 1 to 1.66 inches Weight: 0.85 lbs (0.383kg)

Dimensions: 4" x 4" x 4"

102 x 102 x 102 (mm)

Bracket Tilt: 15 deg



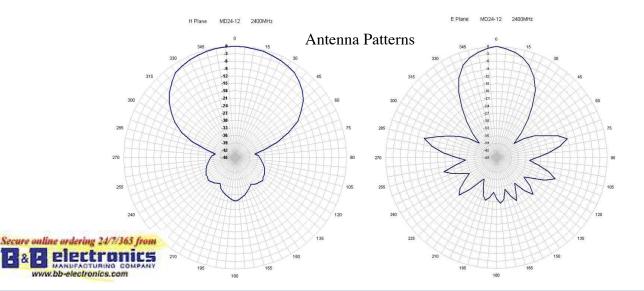
Range Estimates*

Throughput	26Mbps	100Mbps
Distance (Miles)	4.37	.82
Distance (kilometers)	7.04	1.32
Tx Power	20dBm	15dBm
Receive Sensitivity	-88dBm	-77dBm
Number of Spacial Streams	1	2

*Given the following parameters:

- Free Space loss / 2-ray ground reflection models
- Antenna is used with anN-TRON 702-W or 702M12-W Ethernet Radio mounted at base level.
- Antenna height: 25ft (7.6 meters) above ground
- Clear line of sight between antennas with no obstructions of the first Fresnel Zone
- 25 feet of N-TRON ANT-CAB-400 series antenna cable for antenna to Radio connection
- 20MHz wide signal
- Center frequency = 2.45GHz
- 10dB loss assumed for weather conditions

Range estimates are theoretical. Actual results may vary based on installation conditions. A site survey should be performed as part of the planning process to determine the presence of RF interference and identify optimum installation locations for access points and antennas.



REV 090810