



# AD-24SH

## 2.4 GHz Omni Directional LAN Antenna 4 dBi

The AD-24SH Omnidirectional Wi-Fi Antennas are designed for the 2.4GHz ISM band. These economical yet high performance compact and lightweight antennas are ideally suited for IEEE 802.11b and 802.11g wireless LANs, Bluetooth, public wireless hotspot application and other multipoint applications where wide coverage is desired.

This antenna features an integral N-Female bulkhead type connector that mounts through the wall of an equipment enclosure. Included with the AD-24SH is a mast mounting kit. Consisting of a heavy-duty steel bracket and a pair of U-bolts, this kit allows installation on masts up to 2.0" in diameter.

Constructed for all weather operation, the AD-24SH features sealed collinear brass elements inside a durable UV-stable machine gray fiberglass radome. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the AD-24SH to be mounted in up or down positions.



Electrical and Mechanical Specifications	
Frequency	2400-2500 MHz
Gain	4 dBi
Horizontal Beam Width	360 degrees
Vertical Beam Width	50 degrees
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Weight	0.21 lbs. (0.09 Kg)
Dimensions	8.7 x 1.27 x 0.75 (inches) 220 x 32 x 19 (mm)
Connector	Integral N-Type Female
Radome Material	Gray Fiberglass
Operating Temperature	-40° C to to 85° C(-40° F to 185° F)
Polarization	Horizontal or Vertical
Wind Survival	>150 MPH (241 KPH)

## RF Antenna Gain Patterns

