



AWSSA24 Sector Antenna

12, 16.5 dBi



The sector antenna systems offered by AWS are constructed from rigid aluminum extrusion, these units are powder coated and sealed with PTFE (Teflon) tape providing lightweight, rigid, weatherproof units. They feature 50 ohm passive feeds that come standard with type N female connectors. Two different bracket systems are offered with these antennas: A) The super heavy duty single point galvanized bracket system is designed for ease of installation and pole-top mounting B) The all stainless steel 2 point scissor bracket gives increased stability and improved downtilt adjustment accuracy. Both brackets offer 10deg of mechanical downtilt. The N connector is positioned on the front/transmission side of the sector.

APPLICATIONS

2.4GHz ISM Band Applications
 Wireless Base Stations
 Wireless Broadband
 Wi-Fi Base Stations
 Wireless Internet
 802.11b, 802.11g and 802.16

SPECIFICATIONS

Weight AWSSA24-12 6 lbs (2.72 kg)
 AWSSA24-16 9 lbs (4.1 kg)

Input Return Loss -14 dB

Antenna Frequency Range 2400-2483 MHz

Gain AWSSA24-12 12 dBi
 AWSSA24-16 16.5 dBi

Beamwidth AWSSA24-12 HPOL 95 degrees ; VPOL 18 degrees
 AWSSA24-16 HPOL 95 degrees ; VPOL 7 degrees

Polarization Horizontal

VSWR 1.5 : 1

Maximum Input Power 100 W

Impedance 50 Ohms

INTEGRATED ANTENNA PATTERNS AT 2450 MHz

