

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 down tilt adjustment accuracy. Both brackets offer 10deg of mechanical down tilt. 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

