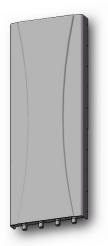


# AW3008 +/-45° Polarized 90° Sector Antennas 2300-2700MHz Quad Port Fixed Tilt

The AW3008 is a broadband dual polarised Quad Port Basestation Antenna which is designed for MIMO applications. Emphasis has been placed on rugged mechanical construction, styling, small dimensions plus superior electrical performance. This antenna is designed to meet the most stringent environmental conditions.

### **Features:**

Excellent Radiation Patterns
Low Upper Sidelobes plus Null Fill
Wide Bandwidth with stable gain across the band
Low PIM Design
UV Stabilised Radome with Stainless steel Brackets



# **Applications:**

WiMAX Sector antennas, 4x2 and 4x4 MIMO

# **Electrical Specifications:**

Frequency Range: 2300 MHz - 2700 MHz //2300 MHz - 2700 MHz

Gain: 17.0 dBi Return Loss: > 15dB Polarisation: +/-45° Slant **Isolation** >30dB Front to Back Ratio: >30dB Horizontal 3dB BW: 90° 7° Vertical 3dB BW: Upper Sidelobe Suppression: >18dB

Electrical Downtilt: 4° (2° & 8° options also available)

Power Handling: 150W

## **Mechanical Specifications:**

Connectors: 4 x N Type Female

Connector Location: Bottom

Dimensions (LxWxD): 1100 x 260 x 55 mm

Weight: 10Kg

Radome: UV Stabilised Styrosun

### **Environmental Ratings:**

Rated Wind Velocity 200 km/h (125mph)

Lightening Protection: DC Grounded Temperature -40°C to +70°C

Alpha Wireless Ltd, Email: <u>info@alphawireless.ie</u> Web: <u>www.alphawireless.ie</u> These specifications are subject to change without notice



# **AW3008 (Cont)**

# **Mounting Options:**

Standard (Included) Pipe Mount with 2 Stainless Steel Bands Mounting Kit (CL-V-103, CL-V-104) Adjustable (Optional)

# **Typical Radiation Patterns:**

# **Azimuth Pattern Elevation Pattern**

# **Antenna Outline:**

