

AMG SKYWAVE III™ ANTENNAS



Wireless Video & Ethernet Transmission Solutions

The AMG range of outdoor antennas operate in the 4.9-6.1Ghz bands. They are fully compatible with the IEEE 802.11a/b/g/n/ac standards and work seamlessly with AMG's Outdoor Point to Point and Point to Multipoint radios.



[ANT-90S-S3]



[ANT-360S-S3]

Wireless Point-Point	Wireless Multi-Point	Waterproof IP67	Temp -55~+65°C

/ OVERVIEW

Using WiFi standards based technology utilising HT-OFDM modulation with multi-layer security features, this powerful connectorised wireless Radio has been optimised as a cost-effective solution for Base Station applications where antenna flexibility is required over short, medium or long ranges, up to 6 KM, supporting Point-to-Point or Point-to-Multipoint configurations.

It is recommend that site surveys are conducted prior to the implementation of wireless networks.

/ FEATURES

- Up to 6 km range Line of Sight (LOS)
- Point to Point or Point to Multipoint
- Compatible with 802.11a/b/g/n/ac
- Easy Installation and Set-up
- IP67 weatherproof enclosures

Specifications.

	ANT-60S-S3	ANT-90S-S3	ANT-120S-S3	ANT-360S-S3
Frequency	4.9-6.1 GHz	4.9-6.1 GHz	5.15-5.875 GHz	4.9-5.9 GHz
Gain	17dB / 18dB	16dB (typ)	14.5dB (typ)	8dB / 10dB
Horizontal Beamwidth	60°	90°	120°	360°
Vertical Beamwidth	8°	8°	8°	11°
Transmission Distance (at max bandwidth)	Up to 6 km	Up to 6 km	Up to 6 km	Up to 3 km
Max VSWR	1.7:1	1.7:1	1.7:1	1.7:1
F/B Ratio	>25dB	>25dB	>25dB	>25dB
Polarisation	Dual Linear	Dual Linear	Dual Linear	Dual Linear
Connectors	2x N-Type Female	2x N-Type Female	2x N-Type Female	2x N-Type Female
Dimensions (mm)	370x370x40 (max)	370x370x40 (max)	370x370x40 (max)	370x370x40 (max)
Weight (Kg)	1.8	1.8	2	0.3
Operating temperature	-55°C to +65°C	-55°C to +65°C	-55°C to +65°C	-40°C to +65°C
Environmental rating	IP67	IP67	IP67	IP67
Certification	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS

Part Numbers.

ANT-60S-S3	60°, up to 6km, 5GHz 17dBi 2x2 MIMO N-Type Sector Antenna with short flying leads, incl. bracket (2x extension leads reqd)
ANT-90S-S3	90°, up to 6km, 5GHz 16dBi 2x2 MIMO N-Type Sector Antenna with short flying leads, incl. bracket (2x extension leads reqd)
ANT-120S-S3	120°, up to 6km, 5GHz 14.5dBi 2x2 MIMO N-Type Sector Antenna with short flying leads, incl. bracket (2x extension leads reqd)
ANT-360S-S3	360°, up to 3km diameter, 5GHz 10dBi 2x2 MIMO N-Type Omni Antenna. Dual Polarized incl. short flying leads and bracket (2x extension leads reqd)

Recommended Cables.

CAB2	Antenna Cable 2m, N-Type Male - N-Type Male
CAB4	Antenna Cable 4m, N-Type Male - N-Type Male
CAB8	Antenna Cable 8m, N-Type Male - N-Type Male

Package Contents.

1x Mounting Bracket

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