

# HGO-3G - Multi Band Base Station Antenna

## DESCRIPTION

Multi band omni-directional base station antenna conceived for GSM 900/1800 dual-band, UMTS and W-LAN systems. Thanks to its very new (patent pending) electrical structure the antenna guarantees high gain on both bands. It is protected by hermoplastic UV stabilized material for the best robustness and long life. It is supplied with plastic bracket and fixing hardware for an easy installation on the mast or on the wall and it comes with 5m low loss cable with an SMA male connector.

## Electrical Data

Type	Multi Band Dipole Array
Frequency Range	GSM 900&1800: 880-960 & 1710-1880 MHz UMTS: 1920-2170 MHz WLAN: 2400-2485 MHz
Impedance	50 $\Omega$
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	Beamwidth @ -3dB = see diagrams
Radiation angle deg.	0°
Polarization	Linear Vertical
Gain	5 dBi for GSM 900&1800 and WLAN 6 dBi for UMTS
Max Power (CW) @ 30°C	20 Watts for GSM 900&1800 6 Watts for UMTS & W-LAN
Cable Type / Length	White Low Loss / 5m
Connector	SMA-Male

## Mechanical Data

Materials	Thermoplastic UV Stabilized Grey RAL 7035, galvanized steel hardware
Wind Load @ 150 km/h	36 N
Wind Resistance	200 Km/h
Wind Surface	0.02 m <sup>2</sup>
Operating temperature	-20°C to + 80°C
Dimensions (approx.)	335 x 166 x 144 mm with bracket
Weight (approx.)	350g
Installation Type	Mast: $\varnothing$ 25-42 mm with U-bolt (included) Wall: mounting screw (not included)



TYPICAL S.W.R. RESPONSE

