



# Product Data Sheet

WM11 Range

# M2M & ISM Band

## Directional Antenna

- Directional
- ROHS Compliant
- GPRS GPRS
- SCADA
- UMTS UMTS



### WM11

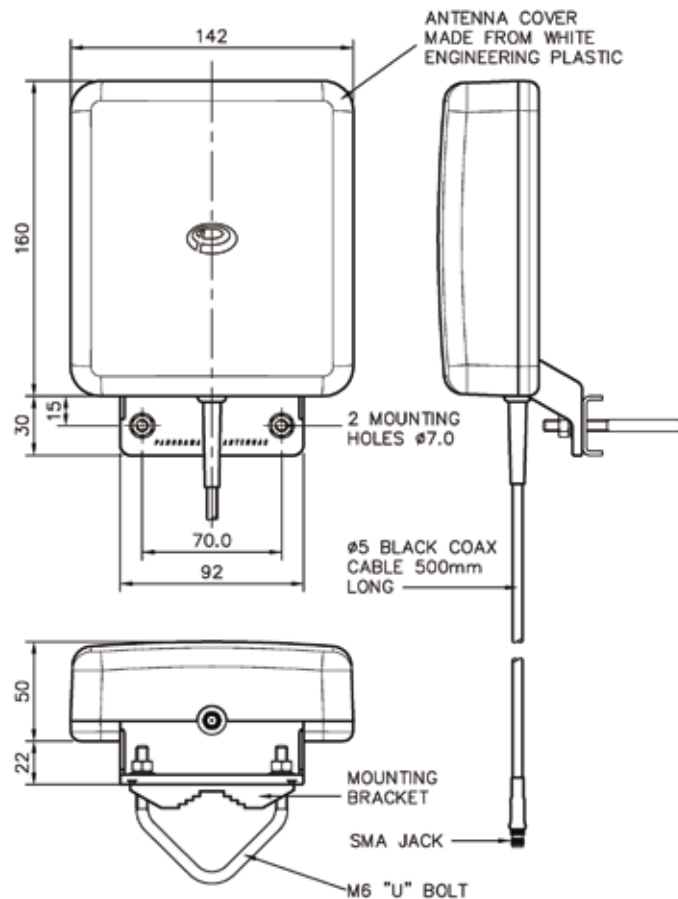
- High gain at all frequencies
- Wall mount or mast mount
- Waterproof housing

The WM11 is a directional antenna. This makes point to point communication between machines at low power more reliable.

The multiband functionality enables the antenna to have a backup (fall back) frequency so that communication is never lost.

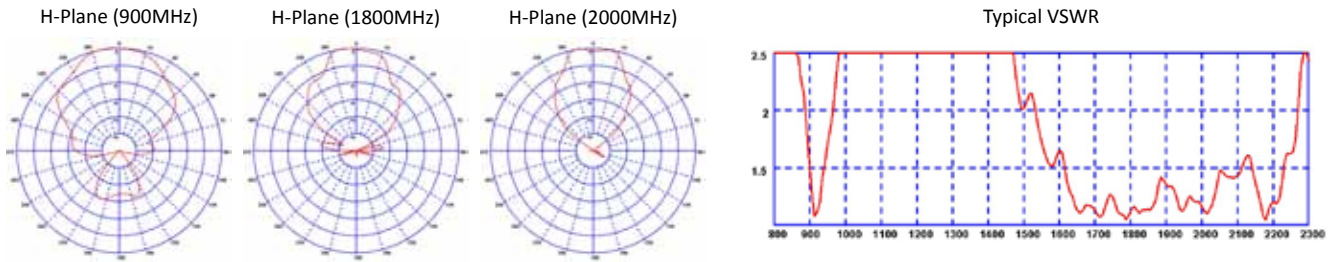
Flexible wall and mast mount options will suit any mounting position and a durable waterproof construction makes this antenna ideal for outdoor use.

### Technical Drawing



# M2M & ISM Band

## Directional Antenna



Part No.		
	WM11-AEP3G-05SJ	WM11-DEP3G-05SJ
Electrical Data		
Frequency Range (MHz)	805-894, 1710-1880, 1850-1990, 1990-2170	890-960, 1710-1880, 1850-1990, 1990-2170
Operational Band	AMPS800 / GSM850, GSM1800, PCS1900, 3G UMTS	GSM900, GSM1800, PCS1900, 3G UMTS
VSWR	≤ 2.0:1	≤ 2.0:1
Gain: Isotropic	8dBi (805-894), 9dBi (1710-1900), 11dBi (1900-2170)	8dBi (890-960), 9dBi (1710-1900), 11dBi (1900-2170)
Compared to ¼ wave	6dBi(805-894), 7dB (1710-1900), 9dB (1900-2170)	6dBi(890-960), 7dB (1710-1900), 9dB (1900-2170)
Pattern	Directional	Directional
Polarisation	Vertical	Vertical
Impedance	50Ω	50Ω
Max Input Power (W)	20	20
Mechanical Data		
Dimensions (mm)	Height	160
	Width	142
	Depth	50
Operating Temp (°C)	-40° / +80°C	-40° / +80°C
Material	Engineering Plastic	Engineering Plastic
Colour	White	White
Mounting Data		
Fixing	Wall mount or Mast mount	Wall mount or Mast mount
Pole Diameter (mm)	20 - 50	20 - 50
Environmental Specification		
Wind Load / Resistance	63N at 180km/h	63N at 180km/h
Wind Surface (m²)	0.02	0.02
Cable Data		
Type	CS23	CS23
Thickness (mm)	5	5
Length (m)	0.5	0.5
Termination	SMA Socket	SMA Socket

**Panorama Antennas Ltd**  
Frogmore, London, SW18 1HF, United Kingdom

T: +44 (0)20 8877 4444  
F: +44 (0)20 8877 4477

E: [sales@panorama-antennas.com](mailto:sales@panorama-antennas.com)  
[www.panorama-antennas.com](http://www.panorama-antennas.com)

**PANORAMA  ANTENNAS**