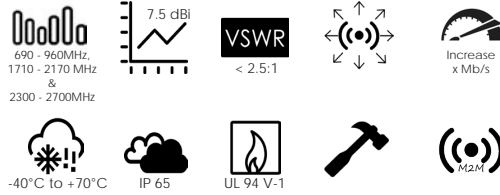


ANTENNAS | PY-M-BNF00-07W-00

PY-M-BNF00-07W-00

690 - 960, 1710 - 2170, 2300 - 2700 MHZ MEDIUM GAIN OMNI DIRECTIONAL ANTENNA



- Compatible with 4G, 3G and 2G technologies, supports WiFi and WiMax
- Ideal for machine to machine applications
- Increased connectivity stability
- Consistent high gain over a very wide frequency band
- Suitable for marine applications
- Vandal and water resistant enclosure

Product Overview

This high gain omni-directional antenna covers all cellular frequencies bands needed for LTE(4G), but also covers the bands for HSDPA, 3G, EDGE, GPRS and voice. Its configuration makes it suitable for fixed installations of any cellular frequency band. This is one of the few omni-directional antennas in the world that offers consistent high gain over a very wide frequency band. This makes it a very popular choice with installers because of its base station agile. It is also ideal for machine to machine (M2M) applications that are communicating through GSM network (GPRS/ EDGE/ 3G/ HSPA/ LTE)

Features

- Medium gain omni-directional antenna
- Wall or pole mountable
- Agile Base station
- Water resistant
- Lightweight
- Aesthetically pleasing

Application areas

- Marine applications / Yachts
- Machine to machine (M2M)
- Poor data signal reception (indoor or outdoor)
- Slow data transmission connection
- Unstable connection
- Increase system transmission reliability
- High-end industrial grade router applications Mobile Offices
- Caravans, RTV's



Electrical Specifications

Frequency Bands:	690 - 960 MHz 1710 - 2170 MHz 2300 - 2700 MHz
Gain (Max):	7.5 dBi
VSWR:	<2.5:1 over 90% of the band
Feed Power Handling:	10 W
Input impedance:	50 Ohm (nominal)
Polarisation:	Linear Vertical
Cable loss:	Optional Cable dependant
DC Short:	Yes

Mechanical Specifications

Product Dimensions (L x W x D):	485 mm x 75 mm x 75mm
Packaged Dimensions:	510 mm x 95 mm x 90 mm
Weight:	0.75 kg
Packaged Weight:	0.91 kg
Radome Material:	ABS (Halogen Free)
Radome Colour:	Pantone - Cool Gray (1c) RAL - 7047

Environmental Specifications

Wind Survival:	160 km/h
Temperature Range (Operating):	-40°C to +70°C
Environmental Conditions:	Outdoor/Indoor
Operating Relative Humidity:	Up to 98%
Storage Humidity:	5% to 95% - non condensing
Storage Temperature:	-40°C to +70°C

Product Box Contents

Antenna:	PY-M-BNF00-07W-00
Mounting Bracket:	Pole up to 50mm diameter Wall and Pole mount stainless steel bracket
Cable Length:	N/A
Cable Type:	N/A
Connector:	N-Type Female

The connector is factory mounted to the antenna

Ordering Information

Commercial name:	PY-M-BNF00-07W-00
Order Product Code:	PY-M-BNF00-07W-00

Additional Accessories Available

Extension Cables:	Up to 15m HDF 195
-------------------	-------------------

Various connectors available

Installation poles and brackets available

Certification Approvals and Standards

Flammability rating:	UL 94-V1 EN 13823
Water Ingress Protection Ratio/Standard:	IP 65
Impact resistance:	IK 08
Salt Spray:	MIL-STD 810F/ASTM B117
Product Safety:	Complies with UL, CE, EN, CSA and IEC standards
Warranty:	2 year limited manufacturer's warranty