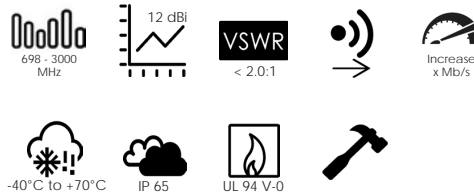


ANTENNAS | PY-Y-PNF00-12G-01

PY-Y-PNF00-12G-01

698 - 3000 MHZ HIGH GAIN DIRECTIONAL LTE ANTENNA



- Futureproof wideband LTE antenna and Wi-Fi operational frequencies
- Compatible with 4G, 3G and 2G technologies
- Improves mobile network subscriber's user experience
- Increased connectivity stability
- Weather- and vandal resistant
- Used in extreme weather environments

Product Overview

This high-gain wideband directional antenna covers all international cellular, mobile and wireless data bands including GSM 900/ GSM1800/UMTS/LTE bands as well as extended cellular and WiMAX bands such as European/USA "Digital Dividend bands" and 2.3-2.7GHz licensed and unlicensed data bands. Its configuration is suitable for various wireless communications systems.

This antenna is unique in its combination of ultra wide-band operator with a consistent high-gain performance. It has been successfully used in extreme weather environments in Africa and Europe with close to zero failures.

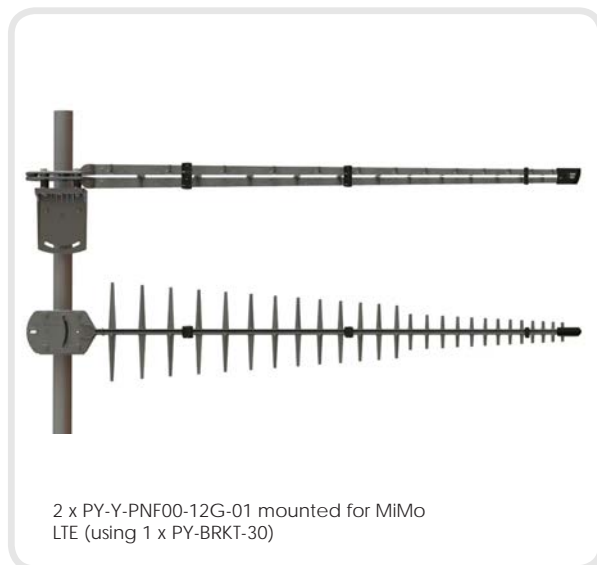
A firm favorite, in any area where operators are having signal challenges. It is ideal for any application using the GSM network (LTE/ HSPA/3G/EDGE/GPRS).

Features

- High gain directional antenna
- Easy alignment with main beam around 50 degrees wide
- Broadband covering multiple operational frequencies
- Pole mountable
- Lightweight
- Water-resistant
- Tremendous improvement on reliability of wireless data
- Four year track record in all climate conditions from Nordic to desert to tropical

Application areas

- Urban and rural areas
- Antenna of choice for rural areas due to high gain
- Poor data signal reception (indoor or outdoor)
- Slow data transmission connection
- Unstable connection
- Increase system transmission reliability
- LTE fringe areas (close to an LTE area, but just out of reach)
- Network operator flexibility - as the antennas is wideband, a new antenna is not needed per network operator - works on most networks



Electrical Specifications

Frequency Bands:	698 - 3000 MHz
Gain (Max):	12 dBi
VSWR:	< 2.0:1
Feed Power Handling:	10 W
Input impedance:	50 Ohm (nominal)
Polarization:	Linear
DC Short:	Yes

Mechanical Specifications

Product Dimensions (L x W x D):	1100 mm x 180 mm x 60 mm
Packaged Dimensions:	1140 mm x 435 mm x 330 mm
Weight:	1.63 kg
Packaged Weight:	2.02 kg
Plastic Materials:	Nylon 6
Plastic Colour:	Pantone - Black RAL - Black
Frame Materials:	Passivated ADC12
Frame Colour:	Aluminium grey

Environmental Specifications

Wind Survival:	<160 km/h
Temperature Range (Operating):	-40°C to +70°C
Environmental Conditions:	Outdoor
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-Y-PNF00-12G-01
Mounting Bracket:	Econo brackets, U-Bolts and fasteners which are suitable for pole mounting up to 50mm
Cable Length:	0.3m
Cable Type:	HDF 195
Connector:	N-Type (f)
<i>The cables and connectors are factory mounted to the antenna</i>	

Ordering Information

Product Code:	PY-Y-PNF00-12G-01
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Additional Accessories Available

Brackets:	PY-BRKT-030 PY-BRKT-033
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Various connectors available

Installation poles and brackets available

Certification Approvals and Standards

Flammability rating:	UL 94-V0 EN 13823
Water Ingress Protection Ratio/Standard:	IP 65 (NEMA 4X)
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