

Broadband Antenna Experts



Quick Guide

A quick technical overview
for various antennas &
accessories



Poynting
Making wireless happen



The Company

Poynting Antennas designs, manufactures and sells cellular antenna products and related equipment mainly to the telecommunications, broadcasting and related industries.

Established in 1990, Poynting has grown to become one of the leading antenna manufacturers in South Africa.

Poynting exists for advancing antenna applications; its name is derived from the Poynting vector, a directional measure of energy in an electromagnetic field.

Poynting was founded on the deep knowledge and understanding of the principles of electromagnetics, RF propagation, antenna design and development.

Poynting employees include graduate as well as professionally registered engineers with PhD doctorate level expert knowledge of the technology and the industry. Poynting has a legacy of innovative design and delivery with customers and partners worldwide.

Footprint

Apart from South Africa, roughly 80% of total sales are International with the main markets being Europe, USA, Canada and Australia. International sales are fulfilled through long-standing distribution partners.

Commitment to Quality

Poynting Antennas (Pty) Ltd is dedicated to ensure that its products and services fully meet the requirements of its customers at all times.

Poynting has a legacy of innovation, design and fulfilment, taking pride in its solid ethical approach. Innovation and creative independence, team spirit and continual learning ensures the organisation can respond to challenges with agility.

Innovation

Poynting holds extensive Intellectual Property (IP) with over 50 registered designs, patents and trademarks filed to differentiate our products from competitive offerings.

Poynting R&D is constantly on the edge of novel innovation.

Operations

With production facilities in Samrand, South Africa (for specialised and unique products), Poynting has established satellite manufacturing facilities in Shenzhen China (90% of all antenna productions) with strict quality and manufacturing metrics to ensure the integrity of product performance. International logistics and high volume supply are further streamlined from Shenzhen, China.

International Sales and Business Development

Poynting has embarked on a long term strategy to expand its reach into the international arena. Poynting opened its office with full representation in Germany focusing on deepening the approach in Europe, Scandinavia and Eastern Europe.

Poynting is continuously improving – a careful and selective approach for growth in new markets and regions. We seek to promote our products and solutions worldwide and therefore seek distributors in regions where our market share is still small. Servicing new customers better, expanding the business in “undiscovered” regions with new and exciting products.

“Making Wireless Happen”, has become synonymous with Poynting.

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DASH-1

Primary Industry: IoT, M2M & Smart Meters;
Farming & Agricultural
Secondary Industry: Commercial & Industrial; Urban & Rural; Mining & Tunnelling

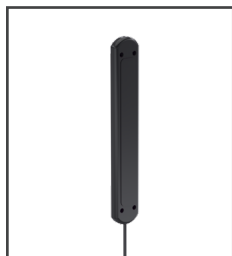
Frequency:	698-960; 1710-2170; 2300-2700 MHz
Max Gain:	4dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	258mm x 34mm x 13mm



DASH-3

Primary Industry: IoT, M2M & Smart Meters;
Farming & Agricultural
Secondary Industry: Commercial & Industrial; Urban & Rural; Mining & Tunnelling

Frequency:	400-510 MHz
Max Gain:	1dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	258mm x 34mm x 13mm

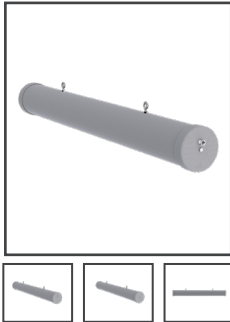


DIPL-1

Primary Industry: IoT, M2M & Smart Meters;
Farming & Agricultural
Secondary Industry: Commercial & Industrial; Urban & Rural; Mining & Tunnelling

Frequency:	824-960; 1710-2200 MHz
Max Gain:	1dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	160mm x 26mm x 10mm

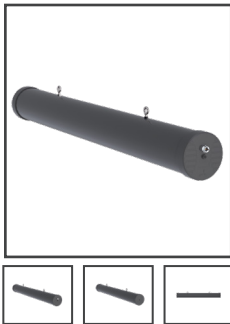




HELI-3

Primary Industry: Mining & Tunnelling

Frequency:	2400-2500 MHz
Max Gain:	17.5dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	1040mm x 145mm x 120mm



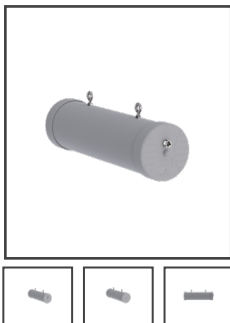
HELI-3-IS

Primary Industry: Mining & Tunnelling

Frequency:	2400-2500 MHz
Max Gain:	17.5dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	1040mm x 145mm x 120mm



Intrinsically Safe - The antenna is constructed with a special coating to prevent sparks of any kind, that could result in causing a fire.



HELI-4

Primary Industry: Mining & Tunnelling

Frequency:	2400-2500 MHz
Max Gain:	14.5dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	420mm x 145mm x 120mm



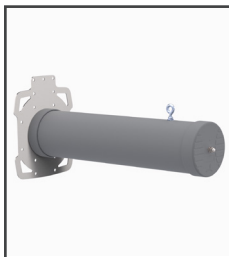


HELI-4-IS

Primary Industry: **Mining & Tunnelling**

Frequency:	2400-2500 MHz
Max Gain:	14.5dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	420mm x 145mm x 120mm

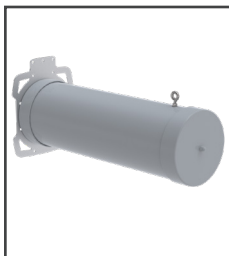
Intrinsically Safe - The antenna is constructed with a special coating to prevent sparks of any kind, that could result in causing a fire.



HELI-5

Primary Industry: **Mining & Tunnelling**

Frequency:	1710-2170 MHz
Max Gain:	16dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	514mm x 245mm x 197mm

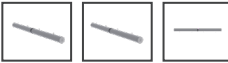
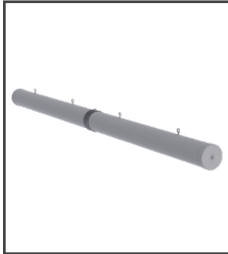


HELI-6

Primary Industry: **Mining & Tunnelling**

Frequency:	698-960 MHz
Max Gain:	13.5dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	750mm x 250mm x 210mm





HELI-8

Primary Industry: **Mining & Tunnelling**

Frequency:	2400-2500 MHz
Max Gain:	14.5dBi
Radiation Pattern:	Bi-Directional
MIMO:	SISO
Size (LxWxD):	2004mm x 142mm x 116mm



HELI-8-IS

Primary Industry: **Mining & Tunnelling**

Frequency:	2400-2500 MHz
Max Gain:	14.5dBi
Radiation Pattern:	Bi-Directional
MIMO:	SISO
Size (LxWxD):	2004mm x 142mm x 116mm



Intrinsically Safe - The antenna is constructed with a special coating to prevent sparks of any kind, that could result in causing a fire.



HELI-11

Primary Industry: **Mining & Tunnelling**

Frequency:	2400-2500 MHz
Max Gain:	12dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO or 2X2 MIMO (possible with RHC & LHC combined)
Size (LxWxD):	325mm x 145mm x 115mm





HELI-12

Primary Industry: Mining & Tunnelling

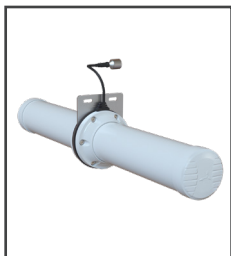
Frequency:	5000-6000 MHz
Max Gain:	13dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO or 2X2 MIMO (possible with RHC & LHC combined)
Size (LxWxD):	321mm x 142mm x 114mm



HELI-13

Primary Industry: Mining & Tunnelling

Frequency:	2400-2500; 5000-6000 MHz
Max Gain:	13dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO or 2X2 MIMO (possible with RHC & LHC combined)
Size (LxWxD):	321mm x 142mm x 114mm

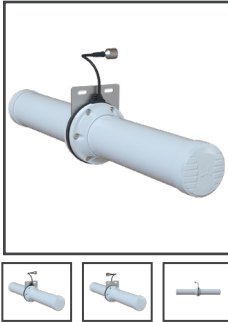


HELI-17

Primary Industry: Mining & Tunnelling

Frequency:	2400-2500 MHz
Max Gain:	9dBi
Radiation Pattern:	Bi-Directional
MIMO:	SISO or 2X2 MIMO (possible with RHC & LHC combined)
Size (LxWxD):	632mm x 142mm x 114mm

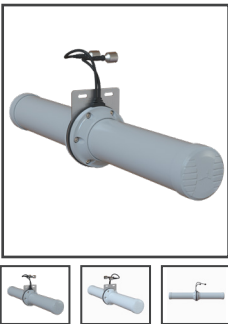




HELI-18

Primary Industry: Mining & Tunnelling

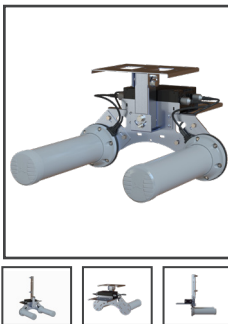
Frequency:	5000-6000 MHz
Max Gain:	11dBi
Radiation Pattern:	Bi-Directional
MIMO:	SISO or 2X2 MIMO (possible with RHC & LHC combined)
Size (LxWxD):	632mm x 142mm x 114mm



HELI-19

Primary Industry: Mining & Tunnelling

Frequency:	2400-2500; 5000-6000 MHz
Max Gain:	11dBi
Radiation Pattern:	Bi-Directional
MIMO:	SISO or 2X2 MIMO (possible with RHC & LHC combined)
Size (LxWxD):	626mm x 143mm x 114mm



HELI-21

Primary Industry: Mining & Tunnelling

Frequency:	2400-2500; 5000-6000 MHz
Max Gain:	13dBi
Radiation Pattern:	Uni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	526mm x 415mm x 266mm

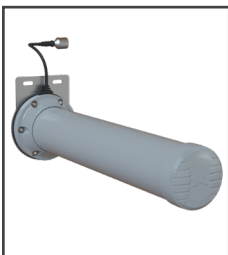




HELI-22

Primary Industry: Mining & Tunnelling

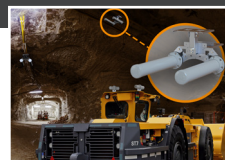
Frequency:	2400-2500; 5000-6000 MHz
Max Gain:	11dBi
Radiation Pattern:	Bi-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	603mm x 415mm x 266mm

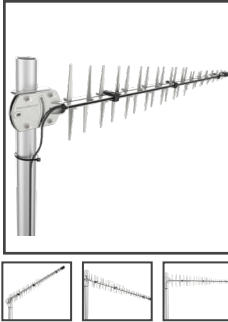


HELI-31

Primary Industry: Mining & Tunnelling

Frequency:	1700-7200 MHz
Max Gain:	9.5dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO, 2X2 (possible with RHC & LHC combined)
Size (LxWxD):	411mm x 142mm x 114mm





LPDA-92

Primary Industry: Commercial & Industrial; Urban & Rural; Farming & Agricultural
Secondary Industry: Mining & Tunnelling; IoT, M2M & Smart Meters

Frequency:	698-960; 1710-2700; 3400-3800 MHz
Max Gain:	11dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	1112mm x 200mm x 47mm



LPDA-92 LTE
2x2 MIMO Option



MIMO-3

Primary Industry: Transport & Mobility; Marine & Coastal; Farming & Agricultural
Secondary Industry: Mining & Tunnelling; IoT, M2M & Smart Meters

Frequency:	410-470; 698-960; 1710-2700; 3400-3800; 5000-6000 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO; 4X4 MIMO
Size (LxWxD):	253mm x 144mm x 128mm



variants

MIMO-3-12	MIMO-3-13	MIMO-3-14
2-in-1 Antenna 2 x LTE;	3-in-1 Antenna 2 x LTE; 1 x GPS Glonass	5-in-1 Antenna 4 x LTE; 1 x GPS Glonass
410-470, 698-960, 1710-2700, 3400-3800, 5000-6000 MHz		
6.0dBi - Omni Directional (2x2 MIMO; 4x4 MIMO)		



MIMO-3 (Available in Black)

Primary Industry: Transport & Mobility; Marine & Coastal; Farming & Agricultural
Secondary Industry: Mining & Tunnelling; IoT, M2M & Smart Meters

Frequency:	410-470; 698-960; 1710-2700; 3400-3800; 5000-6000 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO; 4X4 MIMO
Size (LxWxD):	253mm x 144mm x 128mm



variants

MIMO-3-15	MIMO-3-17
5-in-1 Antenna 2 x LTE; 2 x Wi-Fi; 1 x GPS Glonass	7-in-1 Antenna 4 x LTE; 2 x Wi-Fi; 1 x GPS Glonass
410-470, 698-960, 1710-2700, 3400-3800, 5000-6000 MHz	
6.0dBi - Omni Directional (2x2 MIMO; 4x4 MIMO)	



OMNI-85-V3

Primary Industry: Urban & Rural; IoT, M2M & Smart Meters; Farming & Agricultural
Secondary Industry: Commercial & Industrial

Frequency:	698-960 ; 1710-2700; 3400 -3800 MHz
Max Gain:	4dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	209mm x 31mm x Ø13mm

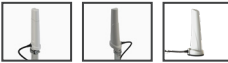


OMNI-121

Primary Industry: Commercial & Industrial; Urban & Rural; IoT, M2M & Smart Meters; Farming & Agricultural
Secondary Industry: Mining & Tunnelling

Frequency:	698-960; 1710-2170; 2300-2700 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	590mm x 80mm x 55mm





OMNI-280

Primary Industry: Urban & Rural; IoT, M2M & Smart Meters; Farming & Agricultural
Secondary Industry: Commercial & Industrial

Frequency:	698-960; 1710-2700; 3400-3800 MHz
Max Gain:	4dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	157mm x 61mm x 44mm



OMNI-291

Primary Industry: Marine & Coastal
Secondary Industry: Commercial & Industrial; Farming & Agricultural

Frequency:	450-470; 698-960; 1710-2700 MHz
Max Gain:	7dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	560mm x Ø75mm



OMNI-292

Primary Industry: Commercial & Industrial; Urban & Rural; Farming & Agricultural
Secondary Industry: Mining & Tunnelling; IoT, M2M & Smart Meters

Frequency:	698-960; 1710-2170; 2300-2700 MHz
Max Gain:	8dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	646mm x Ø71mm

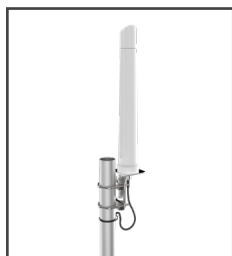




OMNI-293

Primary Industry: **Commercial & Industrial; Urban & Rural; Farming & Agricultural**
 Secondary Industry: **Mining & Tunnelling; IoT, M2M & Smart Meters**

Frequency:	617-960; 1427-1517; 1710-2700; 3400-3800 MHz
Max Gain:	9dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	635mm x Ø 71mm



OMNI-296

Primary Industry: **Commercial & Industrial; Farming & Agricultural**
 Secondary Industry: **Urban & Rural; Mining & Tunnelling; IoT, M2M & Smart Meters**

Frequency:	2400-2500; 3300-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	485mm x Ø71mm



OMNI-297

Primary Industry: **Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	698 - 3800 MHz
Max Gain:	2dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	150mm x Ø70mm





OMNI-400

Primary Industry: **Marine & Coastal**
Secondary Industry: **Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	698-960; 1710-2170; 2300-2700 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	555mm x Ø75mm



OMNI-402

Primary Industry: **Marine & Coastal**
Secondary Industry: **Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural**

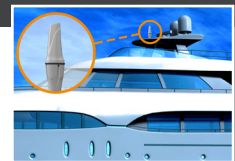
Frequency:	410-470; 698-960; 1710-2700; 3400-3800 MHz
Max Gain:	6.2dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	750mm x Ø75mm



OMNI-403

Primary Industry: **Marine & Coastal**
Secondary Industry: **Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	698-960; 1710-2170; 2300-2700 MHz
Max Gain:	5dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	252mm x Ø75mm

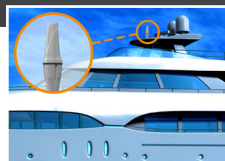




OMNI-404

Primary Industry: **Marine & Coastal**
Secondary Industry: **Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	698-960; 1710-2700; 3400-3800 MHz
Max Gain:	2dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	252mm x Ø75mm



OMNI-493

Primary Industry: **Marine & Coastal**
Secondary Industry: **Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	617-960; 1427-1517; 1710 -2700; 3400-3800 MHz
Max Gain:	9dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	646 mm x Ø75 mm (excl. BRKT-40)



OMNI-496

Primary Industry: **Marine & Coastal**
Secondary Industry: **Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	2400-2500; 3300-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	560mm x Ø75mm





OMNI-510

Primary Industry: Transport & Mobility; Marine & Coastal; IoT, M2M & Smart Meters; Farming & Agricultural
Secondary Industry: Commercial & Industrial; Urban & Rural; Mining & Tunnelling

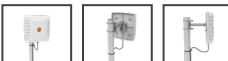
Frequency:	698-960; 1710-2170; 2300-2700 MHz
Max Gain:	2dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	135mm x 20mm x 10mm



OMNI-600

Primary Industry: Commercial & Industrial; Urban & Rural; Farming & Agricultural
Secondary Industry: Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	410-470; 698-960; 1710-2700; 3400-3800 MHz
Max Gain:	6.2dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	646mm x Ø71mm

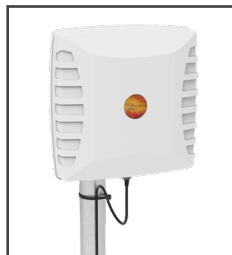


PATCH-25

Primary Industry: Commercial & Industrial
Secondary Industry: Mining & Tunnelling; IoT, M2M & Smart Meters

Frequency:	860-960 MHz
Max Gain:	8.8dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	250mm x 250mm x 40mm





PATCH-26

Primary Industry: Commercial & Industrial
Secondary Industry: Mining & Tunnelling; IoT, M2M & Smart Meters

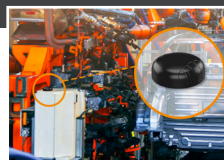
Frequency:	820-970 MHz
Max Gain:	8dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	250mm x 250mm x 40mm



PUCK-1 (Available in White)

Primary Industry: Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

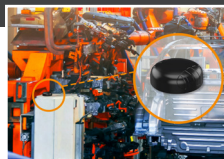
Frequency:	698-960; 1710-2700; 3200-3800 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	Ø99.3mm x 36mm



PUCK-2 (Available in White)

Primary Industry: Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO - 2-in-1 Antenna: 2 x LTE
Size (LxWxD):	Ø99.3mm x 36mm





PUCK-3

Primary Industry: Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO - 3-in-1 Antenna: 1 x LTE, 1 x Wi-Fi, 1 x GPS
Size (LxWxD):	Ø99.3mm x 36mm



PUCK-4

Primary Industry: Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO - 3-in-1 Antenna: 2 x LTE, 1 x GPS
Size (LxWxD):	Ø99.3mm x 36mm



PUCK-5 (Available in White)

Primary Industry: Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO - 5-in-1 Antenna: 2 x LTE, 2 x Wi-Fi, 1 x GPS
Size (LxWxD):	Ø99.3mm x 36mm

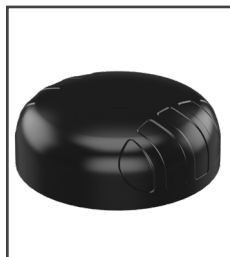
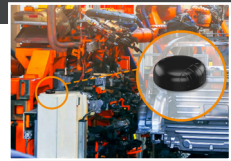




PUCK-7

Primary Industry: Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO - 4-in-1 Antenna: 2 x LTE, 2 x Wi-Fi
Size (LxWxD):	Ø99.3mm x 36mm



PUCK-8

Primary Industry: Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO - 3-in-1 Antenna: 2 x LTE, 1 x Wi-Fi
Size (LxWxD):	Ø99.3mm x 36mm

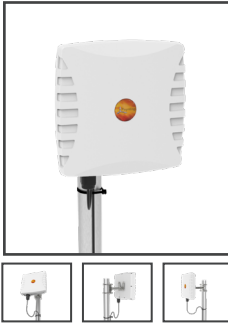


PUCK-12

Primary Industry: Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO - 2-in-1 Antenna: 2 x Wi-Fi
Size (LxWxD):	Ø99.3mm x 36mm





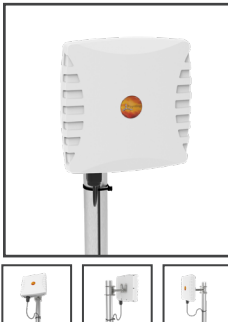
WLAN-60

Primary Industry: **Commercial & Industrial**
 Secondary Industry: **Marine & Coastal; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	2400-2500; 3300-3800; 5000-6000 MHz
Max Gain:	18dBi
Radiation Pattern:	Uni-Directional
MIMO:	SISO
Size (LxWxD):	240mm x 240mm x 60mm



3.5G
CBRS **Wi-Fi**
DUAL BAND



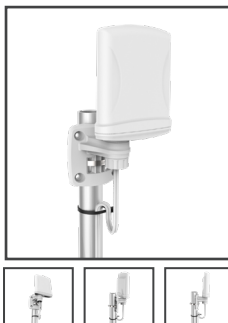
WLAN-61

Primary Industry: **Commercial & Industrial**
 Secondary Industry: **Marine & Coastal; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	2400-2500; 5000-6000 MHz
Max Gain:	11dBi
Radiation Pattern:	Uni-Directional
MIMO:	4X4 MIMO
Size (LxWxD):	240mm x 240mm x 60mm



Wi-Fi
DUAL BAND **4X4 MIMO**



XPOL-1

Primary Industry: **Commercial & Industrial; Urban & Rural**
 Secondary Industry: **Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	790-960; 1710-2170; 2300-2700 MHz
Max Gain:	4dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	235mm x 135mm x 85mm



4G
in LTE



XPOL-1-5G

Primary Industry: **Commercial & Industrial; Urban & Rural**
 Secondary Industry: **Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	698-960; 1710-2700; 3400-3800 MHz
Max Gain:	3dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO or 4X4 MIMO
Size (LxWxD):	247mm x 157mm x 88mm



4G **5G** **4G MIMO** **3.5G** **CBRS**



XPOL-2

Primary Industry: **Commercial & Industrial; Urban & Rural**
 Secondary Industry: **Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	698-960; 1710-2170; 2300-2700 MHz
Max Gain:	9dBi
Radiation Pattern:	Uni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	290mm x 265mm x 155mm (With Bracket)



4G **(M2M)** **5G** **LoRa** **2X2 MIMO**



XPOL-2-5G

Primary Industry: **Commercial & Industrial; Urban & Rural**
 Secondary Industry: **Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	698-960; 1710-2700; 3400-3800 MHz
Max Gain:	11dBi
Radiation Pattern:	Uni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	290mm x 265mm x 155mm (With Bracket)



4G **5G** **LoRa** **(M2M)** **3.5G** **CBRS** **2X2 MIMO**



XPOL-2-5G-US

Primary Industry: **Commercial & Industrial; Urban & Rural**
 Secondary Industry: **Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	617 – 894 MHz & 1710 – 3800 MHz (Band 71- US Specific)
Max Gain:	11dBi
Radiation Pattern:	Uni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	290mm x 265mm x 155mm (With Bracket)



XPOL-6

Primary Industry: **Commercial & Industrial; Urban & Rural**
 Secondary Industry: **Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	1710-2170; 2300-2700 MHz
Max Gain:	11dBi
Radiation Pattern:	Uni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	310mm x 144mm x 56mm



XPOL-16

Primary Industry: **Commercial & Industrial; Urban & Rural**
 Secondary Industry: **Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural**

Frequency:	450-470; 790-860; 1710-2700 MHz
Max Gain:	8dBi
Radiation Pattern:	Uni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	360mm x 360mm x 155mm



NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NOTES

[illegible]

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NOTES

[illegible]

Dystrybucja:

smart-i

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