

PCTEL Inc.



PCTEL, based in Chicago, manufacture High Performance Antennas, Mounts & Cables for GPS, Tetra, Public Safety, Defence, Military, SATCOM, Industrial Wireless, Broadband Wireless and SCADA solutions. Brands include MAXRAD, BLUEWAVE, WI-SYS & SPARCO WIRELESS. Covering 27MHz to 6GHz Frequency Range. Upto 10 year Warranty.

Product Range

GNSS (Galileo, GLONASS, Beidou), GPS, Embedded & Iridium Antennas and Timing Reference Antennas



Mobile (VHF, UHF, Multiband MIMO, WiFi, LTE, No Ground versions, Covert, Mag Mounts) Antennas



In Building Antennas

VenU® Ceiling Mount Antennas

Wall Mount Antennas



Infrastructure Yagi, Omnidirectional, MIMO, Flat Panel Antennas



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PCTEL Antennas Selection Guide

Freq Range (MHz)		Antenna Type	Antenna Series
From	To		
27	132	Whip - Quarter Wave	MLB
108	512	Spring Whip	ASP
118	2500	Whip - Chrome Nut	PCTCN
118	3800	Spring Whip - Molded Base Antennas	BMAX
132	512	Whip - Spring	MWB
136	960	Wide Spectrum Multi-Band VHF, TETRA/UHF	PCTWSLMR
136	174	Whip	MWV
136	174	Log Periodic Array	LPA
138	470	Whip - Mosaic® high performance collinear	ASP
144	174	Whip - VHF Base Loaded Chrome Coil	MHB
148	960	Low-Profile Whipless	ASP
150	512	Whip	AP
150	970	Aluminum Yagi	MYA
158	223	Low Profile Wideband Rail	PCT-RSA
380	2500	Max-Matics™ Coach™ Multi-Band TETRA, LTE Cellular, Wi-Fi	GPSHP-UWB
380	657	Whip - Wideband – No Tune	MWU
380	6000	Low Profile	MLPV
403	470	Bluewave Yagi	BMVD
406	960	Black Optimized Welded Yagi (No Tune)	BMOY
430	2700	Heavy Duty Flexible	PCTP
430	3800	Heavy Duty Omnidirectional	BOA
450	470	Whip - Base Loaded Field Tunable 3dB Gain	MUF
450	940	Whip - Base Loaded Chrome Coil	MUF
600	5925	Coach™ II GNSS L1 L2 L5 Multi-Band , Dual-Port 4G LTE and 802.11ac	GL125-DLTEMIMO
600	5900	Ultra-Wideband High Performance	PCTUWB
617	5900	Coach™ II Dual Carrier GNSS Multi-Band , 5G & 4G LTE with 802.11ax	GLXX1AX
617	5950	Trooper™ Multi-Band LTE MIMO & 802.11ac	TRP-20INT
617	5950	Trooper™ 5G & 4G Dual LTE, WiFi	PCTHPDLTE
617	5950	Trooper™ II Slender Dual Carrier GNSS Multi-Band Antenna	GL9X1AX
698	5900	Coach™ Multi-Band LTE MIMO & 802.11ac	GLHPDLTE
698	5900	Trooper™ Multi-Band LTE and Wi-Fi Antenna with HR GPS/GLONASS	GLLTEWIFI
698	2700	Portable OmniDirectional	MPAMB
746	928	Fiberglass OmniDirectional	MFB
806	2600	Medallion™ GPS Multiband platform	PCTMDL
824	2485	Multiband Omnidirectional - Cellular & WiFi	PCTMBPTSM
863	5925	Omnidirectional	MHO
902	928	Integrated Connector	MN915
1150	1615	Multi-GNSS L1/L2/L5	GNSS-L125
1390	5900	Dual Polarised Directional Panel	FP
1554	1615	GNSS Timing Reference - GPS L1, GALILEO E1, GLONASS L1 & BEIDOU B1	GNSS1-xxx-xxx
1561	1608	GNSS, Embedded, Flat, Dome Head & PUK	81xxD
1565	1608	Trooper™ Low-Profile Multi-Band LTE MIMO & 802.11ac	GLHPDLTEMIMO
1565.42	1585.42	GPS Timing Reference - Quadrifilar Helix	GPS-xxx-xxx
1565.42	1585.42	Airborne	12700
1575.42	1602	GLONASS L1 Active, High Performance Magnetic Mount	GPS-LB12GL
1575.42	2400	GPS, Embedded, Flat, Dome Head & PUK	39xxD
1575.42	1176.45	WAAS	2225NW
1800	5900	Dual Polarised Directional Panel	FP
2300	5900	Coach™ Multi-Band MIMO	PCTHPMIMO
2400	5920	Low Profile Access Point	PCTMI2458
2400	5900	Omnidirectional - Ground Plane Independant	BMH
2400	5925	Dual Band Panel	MSP
3300	4200	Ultra-Flat Ceiling Mount CBRS	PCTHP
4900	5900	Bi-Directional Train Top	PCT-RSABD

Adactus



ADACTUS is an established designer of RF products for the Industrial wireless market. They developed their business in the early days with Antennas for data logging and have now expanded into Satellite antennas and RF Cables. Well known for their excellent quality, their portfolio includes a wide range of internal and external ISM Band products to support their established GSM/GPRS/2G/3G/4G/5G portfolio. ISM(Zigbee, Bluetooth, WiFi(2.4, 4.9-5.8GHz)).

ISM Band 433MHz to 5.8GHz; 2G,3G,4G,5G & GPS/GNSS Antenna's



Patch



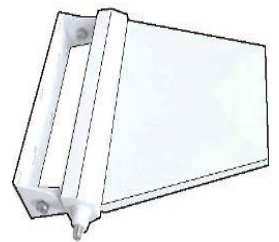
Miniature Pigtail



Stubbie



Puck



YAGI

2G + 3G (SMS, GPRS, PENTA Band) 4G/LTE/5G Antennas



6 Band
LTE Blade



Stubbie



Stickable LTE

GNSS



Outdoor



Puck

Iridium (Hi Gain, Combination, Marine) Satellite Communication Antennas



Magnetic Mount



Waterproof Screw Mount



Pole Mount



Rugged Waterproof Mount

Also Available: SIM Cards



New Releases

ADA-X4YZ Selectable Bands Versions Antenna

- GSM 2G/3G GPRS, Single or MIMO, 4G/LTE/5G, Dual Band WiFi
- Full GNSS (GPS, Glonass, Galileo, Beidou, QZSS)
- E-mark ECE R118-3 Certified
- Screw/Magnetic/Adhesive Mount
- IP69K Water-Proof and ESD Protection
- Versatile Combination with up to 3 Cables
- Machine to Machine Communication & IOT
- Vehicle Tracking & Telematics



ADA-0041 LTE 4G MIMO Panel Antenna

- 2 in 1 MIMO Antenna
- LTE Compatible
- 13dB Gain
- Compact Size
- Weather sealed
- Solid Mounting Bracket
- N-Type Connectors



ADA-25MT 5-in-1 5G NR/4G LTE GNSS Combi Antenna

- 1*GNSS, 2*LTE, 2*WIFI Antenna Combination
- GPS L1&L2&L5 / GLONASS L1 / BEIDOU L1 Bands Supporting
- LTE 698-960MHz, 1710-2690MHz, 3300-3800MHz Supporting
- WiFi Dual Bands, 2400-2500MHz, 5150-5850MHz Supporting
- Excellent Out of Band Suppression, Up to 60dB
- 35dBi Active Peak Gain
- Customizable Cables and Connectors
- RoHS & REACH Compliant



Cable Assemblies Custom Cable Assemblies, RF Cable Assemblies, RF Connectors and Data Cables



Smarteq Wireless

SMARTEQ
A PCTEL Company

Smarteq, a PCTEL Company, based in Stockholm, develops and delivers antenna solutions. Their main customer segments are Energy, Vehicle, and Industry. Having a background in the Automotive industry also ensures that they have all logistics processes for high volume roll-outs in place and relevant certifications, such as IATF 16949 and ISO 14001.

Smarteq Antenna Products

168—170 MHz End-fed Half-wave Antenna

Robust, integrated mounting bracket



168—170 MHz End-fed Long-Range Antenna

Robust, integrated mounting bracket



707181 Terminal antenna 1/4-wave

Radio system: 2G/3G

Frequency: 824-960/1710-2170MHz

Gain: 2,15dBi



710097 Terminal antenna 1/4-wave

Radio system: 2G/3G

Frequency: 824-960/1710-1880MHz

Gain: 2,15dBi



710102 Terminal antenna 1/4-wave,N-male

Operating system: ISM

Frequency: 314-316MHz

Gain: 2,15dBi



710103 Terminal antenna 1/4-wave, N-male

Radio system: ISM 433/868MHz

Frequency: 433-436 / 868-870MHz

Gain: 2,15dBi



710106 / 710107

Terminal swivel antenna 1/4-wave

Operating system: WiFi, Bluetooth

Frequency: 2400-2485 / 4900-5900MHz

Gain: 2,15 / 3dBi



710254

Small terminal antenna 1/4-wave

Operating systems: WiFi, Bluetooth

Frequency: 2400-2485MHz

Gain: 2,15dBi



726556 UHF Terminal Antenna

440 – 470 MHz

0 dB gain -Square wave antenna



726637 VHF car Antenna

144—300 MHz

0 dB gain



731247 UHF Terminal antenna

406 – 428 MHz

0 dB gain -Square wave antenna



868/915 Stick Antenna 3dBi

LPWAN antenna, optimal for various technologies.

Supports both 868MHz as well as 915MHz



868/915 Stick Antenna 5dBi

LPWAN antenna

Supports both 868MHz as well as 915MHz



868/915 Stick Antenna 8dBi

LPWAN antenna

Supports both 868MHz as well as 915MHz



Smarteq Antenna Products

ABY7-10/11

Directional high gain antenna, 9dBi
Frequency: 380-470MHz
Gain: 9dBi



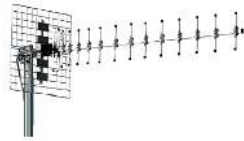
ABY9-10

Directional high gain antenna
Frequency: 800-960MHz
Gain: 10,5dBi



ACY15

Directional antenna
Frequency: 800-960MHz
Gain: 15dBi



ACY7

Directional high gain antenna
Frequency: 380-470MHz
Gain: 10dBi



AllDisc

Cellular: 698-960MHz, 1710-2690MHz,
3400-3800MHz
5G ready, IP6K9K class



AllDisc 4xWiFi

4 antenna elements
2400-2500 / 4900-5825 MHz
IP6K9K class



AllDisc Combi GNSS

Cellular: 698-960MHz, 1710-2690MHz &
3400-3800MHz GNSS: 1575-1610MHz
(GPS: L1, Galileo: E1, Glonass: L1)
IP6K9K class



AllDisc Combi GNSS MIMO-WiFi

Cellular: 698-960MHz, 1710-2690MHz
and 3400-3800MHz 2x WiFi: 2400-
2485MHz and 4915-5825MHz GNSS:
1575-1610MHz



AllDisc Combi GNSS WiFi

Cellular: 698-960 / 1710-2690MHz &
3400-3800MHz
5G Ready
WiFi/BT: 2400-2485MHz and 4915-6000MHz
GNSS: 1575-1610MHz
GPS: L1, Galileo: E1, Glonass; L1
LNA gain 30dB, IP6K9K class



AllDisc Combi GNSS+ MIMO-WiFi

Cellular: 698-960 / 1710-2690MHz &
3400-3800MHz
5G Ready
WiFi/BT: 2400-2485MHz and 4915-6000MHz
GNSS: 1559-1610MHz
GPS, Galileo, Glonass, BeiDou
LNA gain 30dB with pre-filter, IP6K9K class



Smarteq Antenna Products

AllDisc S

Cellular: 698-960MHz, 1710-2690MHz,
3400-3800MHz
5G ready, IP6K9K class



AMR TEQ

Operating system: 2G/3G
Frequency: 824-960/1710-2170MHz
Gain: 2,15dBi



Ant

Combination antenna
Operating system: 2G/3G+GPS
option to mount an rod according
to smarteq rod selection guide 27-600MHz
Active LNA +26dB



Base 1123

Robust antenna base
Rod selection guide 27-1000MHz



Base 1131

Robust antenna base
Rod selection guide 27-1000MHz
1000MHz



Base 128

Robust antenna base
Rod selection guide 27-



Base 2000XL

Particularly well suited for rooftop-mounting
because of very low internal protrusion and
ability to be installed exclusively with access
from the outside



Base 2500

Particularly well suited for rooftop-mounting
because of very low internal protrusion and
ability to be installed exclusively with access
from the outside
Rod selection guide 27-2700MHz



Base NCD

Robust antenna base
Rod selection guide 27-1000MHz



DP90

Operating system: 2G/3G
Frequency: 868-960/1710-2170MHz
Embedded PCB antenna



Smarteq Antenna Products

GNSS HG

Durable design, IP67

Operating system: GPS and Glonass

Frequency: 1574-1609MHz

High LNA gain 28dB

Adhesive mount



GPS HG

Durable design, IP67

Operating system: GPS

Frequency: 1575,42+1,023MHz

High LNA gain 28dB

Adhesive mount



K50464 VHF car antenna

62 ... 300 MHz

0 dB Gain

M11 female connector



K50494 VHF car antenna

64 ... 300 MHz

0 dB Gain

M11 female connector



K50534 – VHF car antenna

62 ... 300 MHz

0 dB gain

Fixed cable, 5 m, without connector



K50544 VHF car antenna

62 ... 300 MHz

0 dB gain

Fixed cable RG58, 5 m long, no connector



K50552031

For Whip 62 ... 470 MHz

Whip K 50 47 40 41 K 50 48 40 41,

K 70 57 21 04 1, K 70 57 23 04 1

Fixed cable, 5 m, without connector



K5065421 VHF car antenna

74 ... 87,5 MHz tunable

0 dB Gain

Clamping device for cable RG58



K5065422 VHF car antenna

74 ... 87,5 MHz tunable

0 dB Gain

M11 female connector



K51164 VHF magnet mount antenna

58 ... 300 MHz

0 dB Gain

Cable RG58, 4 meter, no connector



Smarteq Antenna Products

K5139235 VHF Terminal antenna

163 – 174 MHz

0 dB gain -hélix antenna

M male connector



K705564 2G/3G car antenna

824 – 2170 MHz

0 dB Gain

FME male connector



K7057219 UHF car antenna

380 ... 430 MHz tunable

2 to 4 dB Gain

fixed cable RG58, 5 m long, no connector



K705722041 Tetra Antenna Whip

380 ... 410 MHz tunable

4 dB Gain

for base K50552031, K50484031



K7057239 UHF car antenna

440 ... 470 MHz tunable

4 dB Gain

fixed cable RG58, 5 m long, no connector



K707721 UHF car antenna

406 – 440 MHz

0 dB Gain

FME male connector



K707723 UHF car antenna

440 – 470 MHz

0 dB Gain

FME male connector



K707821 UHF Car Antenna

406 – 440 MHz

4 dB Gain

FME male connector



K711621 – UHF Magnet mount antenna

410 – 470 MHz

0 dB Gain

Fixed cable RG58, 4 m long with

FME female connector



K713226 UHF Terminal antenna

400 – 470 MHz

0 dB gain -Square wave antenna

TNC male connector



K713229 UHF Terminal antenna

400 – 470 MHz

0 dB gain -Square wave antenna

K7153216 – UHF Terminal antenna

406 – 430 MHz

4 dB gain – Half wave decoupled antenna

Smarteq Antenna Products

K713229 UHF Terminal antenna

400 – 470 MHz

0 dB gain -Square wave antenna



K7153236 – UHF Terminal antenna

440 – 470 MHz

4 dB gain – Half wave decoupled antenna



K7153216 – UHF Terminal antenna

406 – 430 MHz

4 dB gain – Half wave decoupled antenna



K7153239 UHF Terminal antenna

440 – 470 MHz

4 dB gain – Half wave decoupled antenna



LP400

Low profile with rugged design, IP44

Radio system : ISM

Frequency: 433MHZ or 444MHz+1MHz

Gain: 2,15dBi



LP4487

Dual output 444 + 868 MHz

Low profile, ergonomic style



LP450

Low profile with rugged design, IP67 when mounted

Radio system: CDMA450

Frequency: 450-470MHz

Gain : 2,15 dBi



LP70X

Low profile with durable design

Radio system: 2G/3G/4G

Frequency: 698-960/1710-2690MHz

Gain: 1,5 / 2,5dBi



LP80x

Low profile with durable design

Operating system: 2G/3G/4G

Frequency: 790-960/1710-2690MHz and NB-IoT



LP868

ISM 868

Frequency: 867-876MHz

Ground-plane independent



LPA045

Frequency: 410-480 MHz

Gain: 9,5dBi



LPA922 Directional antenna

Frequency: 698-960/1710-2690MHz

Gain: 11,5dBi , (10@698MHz)



Smarteq Antenna Products

LPCA 1

450-470 MHz, Cellular, GNSS

IP67



LPCA 10

Designed for 380-410 MHz

IP67



LPCA 2

Tetra 380-410, Cellular, GNSS

IP67



LPCA 3

410-430 MHz, Cellular, GNSS

IP67



LPCA 4

CDMA 450, Cellular, GNSS and WiFi

IP67



LPCA 5

380-410 MHz, Cellular, GPS

Ground plane independent



LPCA 6

410-430 MHz, Cellular, GNSS, WiFi

Ground plane independent



LPCA 7

ISM 430-450 MHz, Cellular

Ground plane independent



LPCA 8

410-430 MHz with an extended range to

450 MHz

Ground plane independent



LPCA 9

430-450 MHz with an

extended range to 470 MHz

Ground plane independent



LPCA MIMO

2xMIMO, 2G/3G/4G antenna

Optional GPS/Glonass/Galileo



LPFM

AM: 0.5-1.7MHz / FM: 87.5-108MHz

Ground plane independent



LTE Indoor Ceiling Antenna

698-960MHz and 1710-2690MHz



LTE Omni Antenna

790-960MHz, 1710-2690MHz and 3400-3800MHz

5G ready



Smarteq Antenna Products

MaxiMag

27-500MHz (depending on rod)

Magnet mount



MidiMag

27-1000MHz (depending on rod)

Magnet mount



MiniBlade Antenna

WiFi, BT, V2X, 5G

2400 – 2485MHz 3400 – 3800MHz

4900 – 5925MHz



MiniMag

430-470MHz / 790-2690MHz

(depending on rod)



Miniwing LTE

Operating system: 2G/3G/4G

Frequency: 790-960/1710-2690MHz

Gain: 2dBi



SmartBlade Antenna

Operating system: 2G/3G/4G/5G

Frequency: 698 – 960 MHz/1420 – 1520MHz /

1710 – 2690 MHz / 3400-3800MHz

Gain: 1,5 – 5,5dBi



Smartdisc

Operating system: 2G/3G/4G

Frequency: 790-960/1710-2690MHz

Gain: 2,15 dBi / 3,15 dBi



SmartDisc Bluetooth

Operating system: WiFi, Bluetooth

Frequency: 2400-2485MHz

Gain: 5dBi



Smartdisc Combi

Operating system: 2G/3G + GPS

Frequency:

Cellular 790-960/1710-2690MHz

GNSS: 1575+1,023MHz

Gain: Cellular: 2,15 / 3,15dBi



SmartDisc Combi GNSS

Cellular: 790-960MHz and 1710-

2690MHz GNSS : 1575-1610MHz

(GPS: L1, Galileo: E1, Glonass: L1)



Smarteq Antenna Products

Smartdisc WiFi

Frequency: 2400-2485/4800-5900MHz
Gain: 6/7dBi



Smartwing LTE GNSS

Frequency:
Cellular 790-960/1710-2690MHz
GNSS: 1575-1609MHz
Gain: 2,15dBi



TRA LTE Antenna

Frequency: 698 – 960/1710-2700MHz



TRA169

In wall antenna
Operating system: ISM
Frequency: 169MHz
Gain: -5 dBi



TRA2400

Frequency: 2400 MHz
Gain: 2,15 dBi



TRA450

Frequency:430-470MHz
Gain: -2 dBi



TRA900

Dual band antenna
Frequency : 900/1800MHz
Gain: 1 dBi



VO450

Frequency: 430-470MHz
Gain: 3 dBi



VPD70

Band coverage: 698-960MHz,
1710-2690MHz and NB-IoT
Gain: 4,5 dBi / 5,5 dBi



VPD90

Flexible five band antenna
850/900/1800/1900/2100 MHz
Gain: 7dBi / 5dBi



WiFi Omni antenna

Freq: 2.4 – 2.485 GHz / 4.9 – 5.9 GHz
Gain: 5.1 dBi / 5 dBi



WLD-2

Freq: 890 – 960 MHz / 1710 – 2170 MHz
Gain: 4 dBi / 5 dBi

