



SMARTEQ WIRELESS ANTENNAS



Smarteq Antenna Products

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.

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

AlIDisc 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



Smarteq Antenna Products

Customer Cases



Bentley, concealed antenna system for satellite radio



Smart Metering (AMR – Automated Meter Reading)



Angouleme TETRA Bus Network



SMARTEQ WIRELESS ANTENNAS



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