# AllDisc Cellular Antenna 2G / 3G / 4G / 5G / NB-IoT

AllDisc antenna is a 5G ready, low profile antenna with durable design. It is ground plane independent enabling flexible and easy installation. It is the perfect choice for Smart City/metering, EV-charging, M2M applications and load handling. The superior RF performance enables high connectivity and throughput. The Alldisc has been successfully tested for durability according to Volkswagen automotive test standards.

# Features

- Cellular: 698-960MHz,1710-2690MHz and 3400-3800MHz
- 5G ready
- IP6K9K class
- Cable approved according to ECE-R118
- Designed in Sweden with design registration

## Applications

- Smart City
- Smart Metering
- EV charging poles
- Cargo/load handling
- Wireless broadband
- Public safety



Smarteq, based in Stockholm, Sweden, is a leading developer of antennas and antenna systems for increased availability. Smarteq aims towards the market segments industry, energy and vehicles.





# Specifications

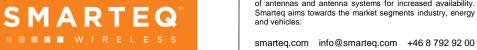
#### Electrical

Frequencies	698-960MHz	
	1710-2690MHz	
	3400-3800MHz	
Impedance	50Ω	
Polarization	Vertical	
VSWR (0.5m cable)	698-790MHz	≤ 2:1
	790-880MHz	≤ 2.0:1
	880-960MHz	≤ 2.7:1
	1710-1880MHz	≤ 2.5:1
	1880-2170MHz	≤ 2:1
	2500-2690MHz	≤ 3.0:1
	3400-3800MHz	≤ 3.0:1
Gain,	698-960MHz	4.5dBi
on ground plane (peak gain, excluding cable)	1710-1880MHz	5dBi
	1920-2170MHz	4.5dBi
	2500-2690MHz	3.5dBi
	3400-3800MHz	7dBi
Gain, on non-conducting material	698-880MHz	1dBi
(peak gain, excluding cable)	880-960MHz	1.5dBi
	1710-1880MHz	4dBi
	1920-2170MHz	3dBi
	2500-2690MHz	3dBi
	3400-3800MHz	6.5dBi
Max power	10W	

## Mechanical

moonanioai				
Dimensions (D x H)	138 x 55mm	138 x 55mm		
Installation	Hole mount with ce	enter screw		
	Hole dimension Ø	19mm		
	Installation thickne	ess ≤ 8.5mm		
	Min. installation ra	dius 2000mm		
Cable	RG316, grey	RG316, grey		
	Other cable length up	Other cable length upon request		
Connector	SMA-Male, Other cor	SMA-Male, Other connector type upon request		
Weight	~200g	~200g		
Material	PC/PBT/Aluminum	PC/PBT/Aluminum alloy		
Color	Black, White, Grey	Black, White, Grey (RAL7035)		
IP class	IP6K9K			
Temperature	Storage	-40°C to +85°C		
	Operating	-40°C to +85°C		

Smarteq, based in Stockholm, Sweden, is a leading developer of antennas and antenna systems for increased availability. Smarteq aims towards the market segments industry, energy and vehicles.









Extension nut to be used on Alldisc with long screw enabling installation thickness 25-50mm

## Selection of Alldisc Combi versions

Part Number	Color	Cable length	Cable	Connector
710259	Black	0.5m	RG316 grey	SMA-Male
710266	Black	2.5m	RG316 grey	SMA-Male
710542	White	0.5m	RG316 grey	SMA-Male

## Other

RoHS **REACH** compliant ECE-R118 compliant

#### Accessories

Part number	
710452	Alldisc Bracket White
710598	Slitted nut
710206	Extension nut

#### **Extension cables**

Part number	Cable LL58	Connector	Gender	Color
201417-1	3m	SMA	Female/Male	White
201417-2	5m	SMA	Female/Male	White
201417-3	10m	SMA	Female/Male	White
201417-7	5m	SMA	Female/Male	Black

Part number	Cable Low Loss	Connector	Gender	Color
707220	3m	SMA	Female/Male	Black
710298	5m	SMA	Female/Male	Black
707222	10m	SMA	Female/Male	Black

Smarteq reserves the right to change specifications without prior notice.



Smarteq, based in Stockholm, Sweden, is a leading developer of antennas and antenna systems for increased availability. Smarteq aims towards the market segments industry, energy and vehicles.

