

AlIDisc 4xWiFi



AlIDisc 4xWiFi is a low profile antenna with durable design. The antenna supports Wifi 2.4-2.5/4.9-5.9GHz and 4x4 MIMO. It is ground plane independent enabling flexible and easy installation. It is the perfect choice for applications such as indoor WiFi coverage, internet onboard buses and Wifi zones. The superior RF performance enables high connectivity and throughput. The Alldisc has been successfully tested for durability according to Volkswagen automotive test standards.

Features

- 4 antenna elements
- 2400-2485 /4900-5900MHz
- Robust and low profile
- Discreet design with center screw installation
- IP6K9K class
- Approved according to ECE-R118
- Designed in Sweden with design registration

Applications

- On board wireless broadband
- Indoor WiFi coverage
- Smart City
- Smart Metering
- EV charging poles



Specifications

Electrical (excluding cable)

4x WiFi antennas

Frequencies	2400-2500MHz 4900-5825MHz	
Impedance	50Ω	
Polarization	Vertical	
VSWR	≤ 1.7:1	
Gain, On non-conducting material	2400-2485MHz 4900-5900MHz	3dBi 6dBi

Mechanical

Dimensions (D x H)	138 x 55mm	
Installation	Hole mount with center screw Hole dimension Ø19mm Installation thickness ≤ 8.5mm Min. installation radius 2000mm	
Cable	RG316, grey LSOH	
Connector	SMA-Male or RP-SMA	
Weight	425g including cable and connectors	
Material	PC/PBT/Aluminum alloy	
IP class	IP6K9K	
Temperature	Storage Operating	-40°C to +85°C -40°C to +85°C

Selection of Alldisc products

Part number	Color	Cable	Cable length	Connector	Code
710617	Black	RG316 grey	0.2m*	FAKRA-m	I
710618	Grey	RG316 grey	0.2m*	FAKRA-m	I
710619	Grey	RG316 grey	3.0m	RP-SMA	

*cable length 0.2 to 0.35m

Other antenna combinations and connector/cable lengths are available please contact Smarteq Sales for information

Other

RoHS
REACH compliant
ECE-R118 compliant

Antenna work on metallic as well as on non-metallic surfaces

Gain on metallic surface > Ø 0.3m
6dBi for 2.4-2.5 GHz and 9dBi for 4.9- 5.9 GHz

Smarteq reserves the right to change specifications without prior notice.





Aldisc bracket



Slitted nut



Extension nut to be used on Aldisc with long screw (not std) enabling installation thickness 25-50mm

Accessories

Part number

710452 Aldisc Bracket White

710598 Slitted nut

710206 Extension nut

Extension cables

Part number	Cable LL58	Connector	Gender	Code
710606	2.5m	FAKRA/SMA	Female/Male	Z/
710608	2.5m	FAKRA	Female/Female	D
710609	2.5m	FAKRA	Female/Female	C
710610	2.5m	FAKRA	Female/Female	I

710607	5.0m	FAKRA/SMA	Female/Male	Z/
710611	5.0m	FAKRA	Female/Female	D
710612	5.0m	FAKRA	Female/Female	C
710613	5.0m	FAKRA	Female/Female	I

Part number	Cable LL58	Connector	Gender	Cable Color
201417-1	3.0m	SMA	Female/Male	White
201417-2	5.0m	SMA	Female/Male	White
201417-3	10m	SMA	Female/Male	White
201417-7	5.0m	SMA	Female/Male	Black

Part number	Cable Low Loss	Connector	Gender	Cable Color
707220	3.0m	SMA	Female/Male	Black
710298	5.0m	SMA	Female/Male	Black
707222	10m	SMA	Female/Male	Black

