

Smarteq™ AllDisc 4x WiFi

WiFi/Bluetooth®/BLE – Low Profile Antenna

710617, 710618, 710619



Description

Low-profile, whipless WiFi antenna with delivers optimal performance and support of data networks.

Technologies

- WiFi 2G/5G

Features

- 4 antenna elements
- Robust and low profile
- Discreet design with center screw installation
- IP6K9K class
- Approved according to ECE-R118



710452 – AllDisc
bracket



710598 – Slitted nut



710206 – Extension nut
to be used on AllDisc with long
screw enabling installation
thickness 25-50mm

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The Smarteq™ AllDisc 4x WiFi 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 Smarteq™ AllDisc antenna has been successfully tested for durability according to Volkswagen automotive test standards.

Features

- 4 antenna elements
- 2400-2500 /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

Certifications



Smarteq™ AIIDisc 4x WiFi

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Standard Configurations

Model	Cable	Cable Length	Connector	Code	Housing Color	Installation
710617	RG316, grey	0.2 to 0.35m	FAKRA-m	I	Black	Hole mount with center screw Hole dimension Ø19mm Installation thickness ≤ 8.5mm Min. installation radius 2000mm
710618	RG316, grey	0.2 to 0.35m	FAKRA-m	I	Grey	
710619	RG316, grey	3.0m	RP-SMA		Grey	

Other antenna combinations and connector/cable lengths are available upon request.

Electrical Specifications – 4xWiFi Antennas (All Models)

Frequency Ranges	VSWR	Gain ¹	Nominal Impedance	Polarization
2400 - 2500MHz	≤ 1.7:1	3 dBi	50Ω	Vertical
4900 - 5900MHz	≤ 1.7:1	6 dBi		

Mechanical and Environmental Specifications (All Models)

Physical

Dimensions (D x H)	138 x 55mm
Weight	425g including cable and connectors
Cable	RG316, grey LSOH
Connector	SMA-Male or RP-SMA
Material	PC/PBT/Aluminum alloy
Operating / Storage Temperature	-40°C to +85°C
IP Class	IP6K9K
Certifications	RoHS REACH compliant ECE-R118 compliant

¹ Gain values measured on non-conducting material (excluding cable).

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Extension Cables

Part Number	Cable Length	Connector	Gender	Color	Cable Color
LL58 Cables					
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	
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
Low Loss Cables					
710220	3.0m	SMA	Female/Male		Black
710298	5.0m	SMA	Female/Male		Black
707222	10m	SMA	Female/Male		Black

Accessories

Part Number	
710452	Alldisc bracket
710598	White slitted nut
710206	Extension nut

CONTACT US

**For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products**

Solving Complex Wireless Challenges

PCTEL, an Amphenol company, is a leading global provider of wireless technology solutions, including purpose-built antenna systems and test and measurement products. Trusted by our customers for decades, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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