

# AllDisc Combi GNSS WiFi Combination Antenna



AllDisc Combi GNSS WiFi is a low profile antenna with durable design. The antenna is ground plane independent and enables flexible and easy installation. Perfect for M2M applications such as fleet management, track and trace and smart metering.

- Cellular: 698-960MHz and 1710-2690MHz  
WiFi: 2400-2485MHz and 4915-5825MHz  
GNSS: 1575.42MHz and 1598-1610MHz
- Discreet design with center screw installation
- IP6K9K class
- DC short
- Verified according to VW test requirements

## Specifications

### Electrical

#### Cellular

Frequencies	698-960MHz 1710-2690MHz	
Impedance	50Ω	
Polarization	Vertical	
VSWR	698-790MHz	≤ 3.2:1
	790-880MHz	≤ 2.0:1
	880-960MHz	≤ 2.5:1
	1710-2170MHz	≤ 2.5:1
	2500-2690MHz	< 3.0:1
Gain, on ground plane (peak gain, excluding cable)	698-960MHz	4.5dBi
	1710-1880MHz	5dBi
	1920-2170MHz	4.5dBi
	2500-2690MHz	3.5dBi
Gain, on non-conducting material (peak gain, excluding cable)	698-880MHz	1dBi
	880-960MHz	1.5dBi
	1710-1880MHz	4dBi
	1920-2170MHz	3dBi
	2500-2690MHz	3dBi
Max power	10W	

**WiFi**

Frequencies	2400-2485MHz 4915-5825MHz
Impedance	50Ω
Polarization	Vertical
VSWR	≤ 1.5:1
Gain, on ground plane (peak gain, excluding cable)	2.15dBi

**GNSS**

Frequencies	1575.42MHz 1598-1610MHz
Impedance	50Ω
Polarization	RHCP
VSWR	≤ 2.0:1
Gain Passive (peak gain)	-3.5dBic @ fc
Gain Active (peak gain)	30dBic
Supply Voltage	3.3-5V
Current Consumption	15-25mA

**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, brown Cable length upon request
Connector	Connector type upon request
Weight	~200g
Material	PC/PBT/Aluminium alloy
Color	Black, White, Grey (RAL7035)
IP class	IP6K9K
Temperature	Storage -40°C to +85°C Operating -40°C to +85°C

**Other**

This part is RoHS compliant.

Smarteq reserves the right to change specifications without prior notice.