

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
- Cable approved acc ECE-R118
- Verified according to VW test requirements
- Designed in Sweden with Design registration

Specifications

Electrical

Cellular

Frequencies	698-960MHz 1710-2690MHz	
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
Gain, on ground plane (peak gain, excluding cable)	2500-2690MHz	≤ 3.0:1
	698-960MHz	4.5dBi
	1710-1880MHz	5dBi
	1920-2170MHz	4.5dBi
Gain, on non-conducting material (peak gain, excluding cable)	2500-2690MHz	3.5dBi
	698-880MHz	1dBi
	880-960MHz	1.5dBi
	1710-1880MHz	4dBi
	1920-2170MHz	3dBi
Max power	2500-2690MHz	3dBi
	10W	

SMARTEQTM
WIRELESS

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.

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WiFi

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

Frequencies	1575.42MHz 1598-1610MHz
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Impedance	50Ω
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Polarization	RHCP
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VSWR	≤ 2.0:1
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Gain Passive (peak gain)	-3.5dBic @ fc
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Gain Active	30±2dB
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Supply Voltage	2.8-5.5V
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Current Consumption	15-25mA
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Mechanical

Dimensions (D x H)	138 x 55mm
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Installation	Hole mount with center screw Hole dimension Ø19mm Installation thickness ≤ 8.5mm Min. installation radius 2000mm
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Cable	RG316, brown Cable length upon request
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Connector	Connector type upon request
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Weight	~200g
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Material	PC/PBT/Aluminium alloy
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IP class	IP6K9K
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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.