

AllDisc Combi GNSS WiFi Combination Antenna

AllDisc Combi GNSS WiFi is a 5G ready, 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, 1710-2690MHz and 3400-3800MHz
WiFi: 2400-2485MHz and 4915-5825MHz
GNSS: 1575-1610MHz (GPS: L1, Galileo: E1, Glonass: L1)
- Discreet design with center screw installation
- IP6K9K class
- DC short
- Cable approved acc ECE-R118
- Designed in Sweden with Design registration

Specifications

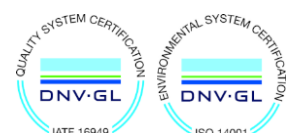
Electrical Cellular (2G/3G/4G/5G)

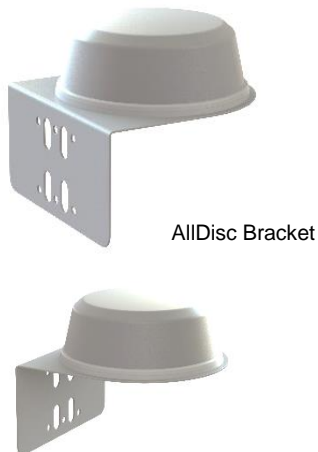
Frequencies	698-960MHz, 1710-2690MHz and 3400-3800MHz	
Impedance	50Ω	
Polarization	Vertical	
VSWR (0,5m cable)	698-790MHz	≤ 2:1
	790-880MHz	≤ 2.0:1
	880-960MHz	≤ 2.7:1
	1710-1880MHz	≤ 2.5:1
	1880-2170MHz	≤ 2:1
	2500-2690MHz	≤ 3.0:1
	3400-3800MHz	≤ 3.0:1
Gain, on ground plane (peak gain, excluding cable)	698-960MHz	4.5dBi
	1710-1880MHz	5dBi
	1920-2170MHz	4.5dBi
	2500-2690MHz	3.5dBi
	3400-3800MHz	7dBi
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
	3400-3800MHz	6.5dBi
Max power	10W	

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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WIRELESS





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	1575-1610MHz (GPS L1, Galileo E1, Glonass L1)
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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

Cable	RG316, brown
	Cable length upon request

Connector	Connector type upon request
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Weight	~200g
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Material	PC/PBT/Aluminum 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.

Certified according to 2014/53/EU Radio Equipment Directive (RED)

Type approval: E5 (ECE R10.5)

Accessories

710452	AllDisc Bracket White
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Smarteq reserves the right to change specifications without prior notice.