

# SmartDisc™ WLAN

## SmartDisc – the versatile antenna covering your needs

The SmartDisc antenna, a low profile 2,4GHz antenna designed to meet the industrial demands on high RF performance with multi installation capabilities.

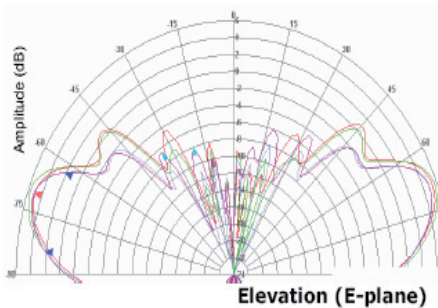
Its durable design makes it ideal to use where a discreet and reliable installation is required. Smarteq Wireless unique antenna technology enables the antenna to be mounted on different material and in both horizontal and vertical positions in order to shorten and facilitate the installation procedures.

Ideal for WLAN applications such as vending machines, power meters, forest machines and rugged vehicle installations.



## WLAN 2,4GHz antenna

- **Excellent RF-performance**
- **Low profile and very durable design**
- **Verified according to IP67**
- **Ground plane independent enables easy installation**
- **Multiple installation possibilities: Center screw and adhesive installation, including different optional mounting brackets**
- **Based upon Smarteq Wireless patented RF technology**
- **All versions RoHS compliant**
- **Other available versions of SmartDisc: GMS/GPRS/GPS**



# Specifications

## SmartDisc WLAN

### Electrical

Frequency	2400–2485MHz
Impedance	Nominal 50 ohm
Polarization	Linear vertical
VSWR	<2:1
Gain	3dBd (5 dBi)
Max power	10 W
DC short antenna	
Ground plane independent	

### Mechanical

Dimension	Circular 90 mm x Height 26 mm
Weight	190 g
Installation	Adhesive/Screw mount -Max material thickness 3,5mm (screw) -Installation hole diameter 18,5-20mm (screw)
Cable	RG316
Connector	SMA (m) other connectors on request
Material	PC/PBT/Aluminum alloy
Color	White (black on request)
Water ingress	According to IP67 when installed

### Environmental

Temperature	-40° C to +85° C
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### Product No

SD2.4W-05-01-01S	SmartDisc WLAN white screw, 0,5m RG316, SMA(m)
SD2.4W-02-01-01T	SmartDisc WLAN white tape, 0,2m RG316, SMA(m)

### Accessories

201411	Bracket SmartDisc, vertical
707154	Bracket SmartDisc, white angled



Smarteq reserves the right to change specifications without prior notice.

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Smarteq develops and supplies high-quality antennas and antenna systems for the wireless transfer of speech and data, communication to and from vehicles and machine to machine. Our staff is fully focused on developing high-performance antennas that will continue to set new standards of excellence that will exceed our customers' expectations



**Smarteq Wireless AB**

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Smarteq is certified according to  
ISO/TS 16949, ISO 14001