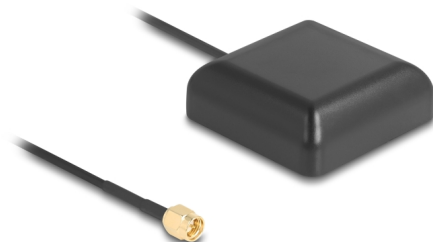


# Navilock NL-203AA GNSS GALILEO GPS High Gain Antenna with SMA plug 5 m outdoor

## Description

This GNSS antenna by Navilock can be used with an existing GNSS receiver with SMA connection. Improvement of reception will be provided by placing the antenna, e.g. on the hat rack or car roof, where it has a better or free view to the sky. The antenna is waterproof and can temporary also be used outside of the vehicle.



5 m

**Item no. 60650**

EAN: 4043619606504

Country of origin: China

Package: Zip poly bag

## Technical details

- Connector: 1 x SMA plug
- Connector finishing: brass gold plated
- External active additional antenna for GNSS receiver
  
- Internal patch antenna:
  - Antenna gain: 5 dBic
  - Bandwidth: > 20 MHz
  - VSWR: 2.0
  - Polarisation: RHCP
  - Dimensions (LxWxH): ca. 25 x 25 x 4 mm
  - Dimension ground plate metal (LxW): ca. 40 x 40 mm (PCB)
  
- LNA GNSS:
  - Gain: 30 dB
  - VSWR: 1.5
  - Input voltage: 3.0 - 5.0 V
  - noise figure: 1.5 @ 25 °C +/- 10 °C
- Frequency range: 1575.42 MHz +/- 1.02 MHz
- Impedance: 50 Ohm

- Operating temperature: -40 °C ~ 80 °C
- Protection class: IPX6
- Magnetic bottom
- Current consumption: ca. 10 mA @ 5.0 V
- Cable type: RG-174
- Cable attenuation: 5.70 dB
- Cable length: ca. 5 m
- Dimensions (LxWxH): ca. 50.6 x 50.6 x 15.1 mm

---

## System requirements

- Device with a free SMA jack

---

## Package content

- GNSS antenna

---

## Images



## General

Mounting type:	magnetic
Protection category:	IPX6
Suitable for indoor:	yes
Suitable for outdoor:	yes

## Interface

connector:	1 x SMA plug
------------	--------------

## Technical characteristics

Operating voltage:	3 V - 5 V
Frequency range:	1575.42 MHz
Bandwidth:	$\pm 20$ MHz
Antenna gain:	30 dB
Impedance:	50 $\Omega$
Operating temperature:	-40 °C ~ 85 °C
Polarisation:	RHCP
Noise Figure:	< 1.5 dB
Current consumption:	10 mA
VSWR:	2.0

## Physical characteristics

Antenna type:	patch
Length:	50.6 mm
Width:	50.6 mm
Height:	15.6 mm