

INDUSTRIAL PRODUCT DATASHEET

GPS Antenna Kit

Multi-constellation GPS antenna kit supporting BD/GPS/GLONASS for diverse wireless connectivity applications.

SKU

110061521

UPDATED

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PRICE

\$7.00(Excl. VAT)



Overview

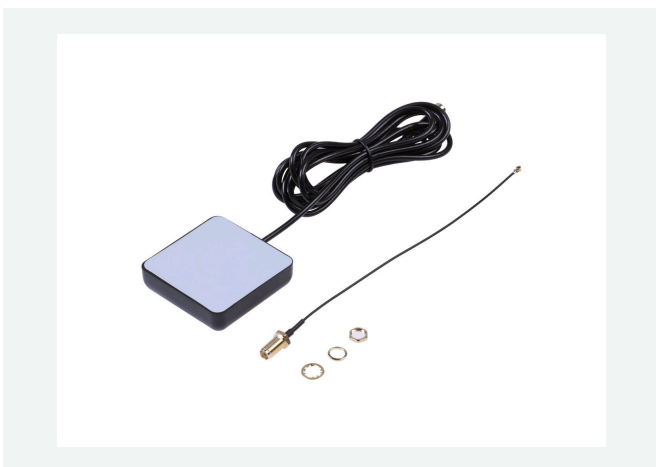
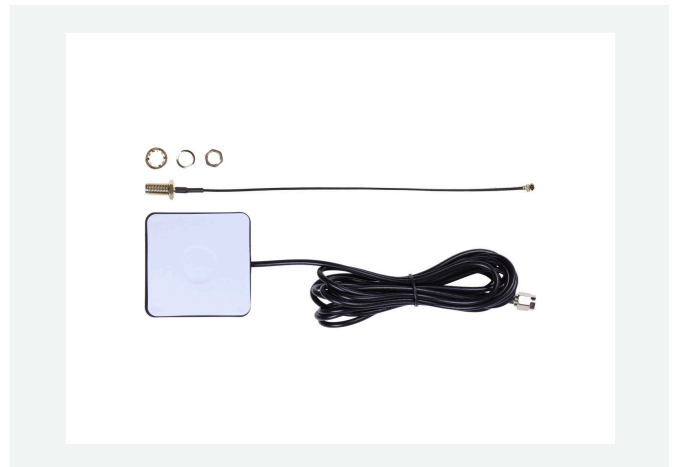


The GPS Antenna Kit supports multiple navigation systems including BeiDou, GPS, and GLONASS, with enhanced frequency ranges for each. It is suitable for wireless communication in industrial automation, smart agriculture, remote monitoring, smart homes, environmental monitoring, and IoT devices.

Key Features

- **Multiple navigation system applications supported:**
 - BD: BeiDou Navigation System
 - GPS: Global Positioning System
 - GLONASS: GLONASS Navigation System
- **Enhanced Frequency Range:**
 - BD: $1561\pm 2\text{MHz}$
 - GPS: $1575.42\text{MHz}\pm 2\text{MHz}$
 - GLONASS: $1602\text{MHz}\pm 5\text{MHz}$

Product Gallery

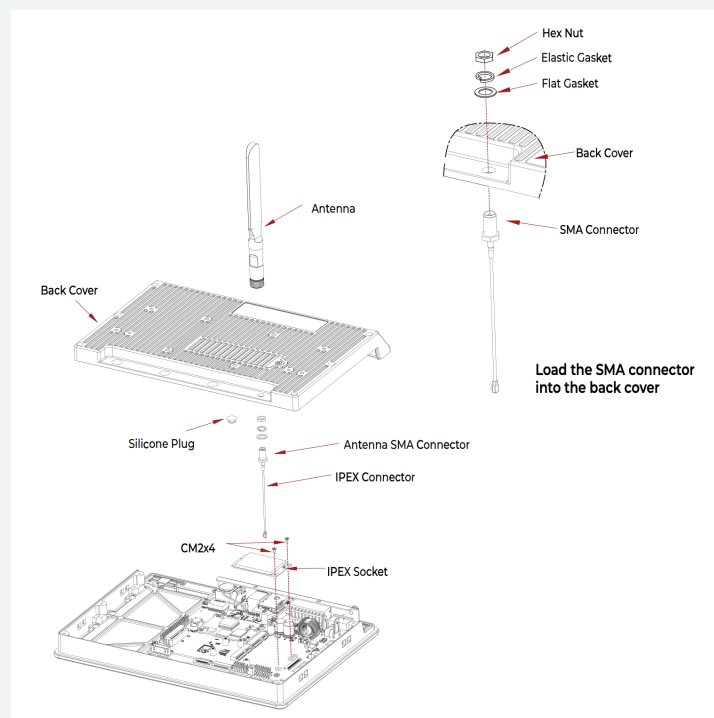
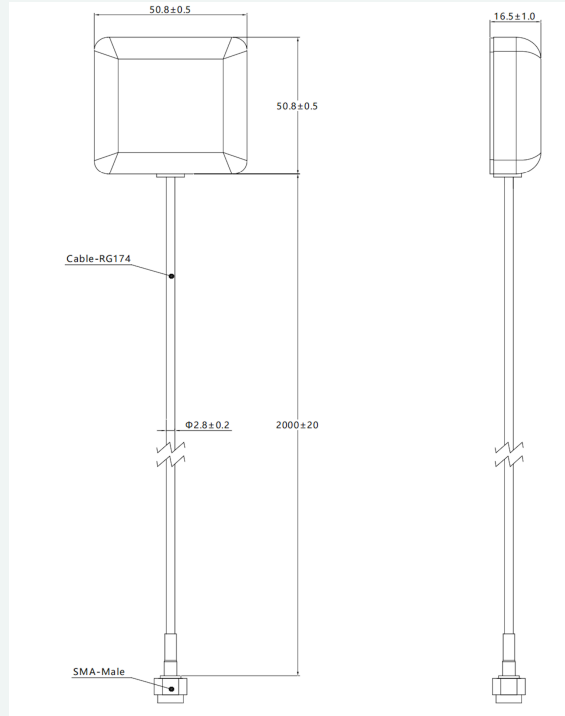


Specification

Parameter	Value
Antenna model	3540A
Dimensions	35mm x 35mm x 4mm
Frequency Range	BD: 1561±2MHz GPS: 1575.42MHz±2MHz GLONASS: 1602MHz±5MHz
V.S.W.R	2.0 MAX
Bandwidth@10dB	BD: 5MHz GPS: 5MHz MIN GLONASS: 10MHz MIN
Passive Gain	BD: 5.0 dB typ @ 70x70mm ground plane GPS: 5.0 dB typ @ 70x70mm ground plane GLONASS: 5.0 dB typ @ 70x70mm ground plane
Active Gain	BD: 22±3dB typ @ 2000mm RG174 line GPS: 23±3dB typ @ 2000mm RG174 line GLONASS: 22±3dB typ @ 2000mm RG174 line
LNA Gain	BD: 22±3dB typ @ 2000mm RG174 line GPS: 22±3dB typ @ 2000mm RG174 line GLONASS: 22±3dB typ @ 2000mm RG174 line
Impedance	50Ω
Polarization	RHCP
DC Voltage	3.3±0.3V
DC Current	12±2mA(@3.0V)

Part Name	SPEC
Antenna	Dielectric Ceramics
Shielding	Tinplate
PCB	FR4
Sheathing	ABS (black) Dimensions: 50.8mm×50.8mm×16.5mm
RF Cable	RG174 Length: 2000mm
RF Connector	SMA MALE
Magnet	Nd2FeB magnet
Working Temperature	-40°C~+85°C
Relative Humidity	10%~95% RH
Storage Temperature	-55°C~+100°C
Vibration	Sine sweep @1.5mmAM 10~55Hz each Axis

Hardware Overview



Applications

- Wireless communication systems in industrial automation
- Wireless data transmission for smart agriculture
- Connection for remote monitoring and control systems
- Wireless networking for smart homes and buildings
- Wireless monitoring in environmental monitoring systems
- Wireless connectivity for IoT devices in various industries

Part List

GPS Antenna Kit	x1
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Compliance & Logistics

HSCODE	8529109090
USHSCODE	8517710000
UPC	
EUHSCODE	8531202090
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/GPS-Antenna-Kit-for-reTerminal-DM-4G-Module-p-5774.html>

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com