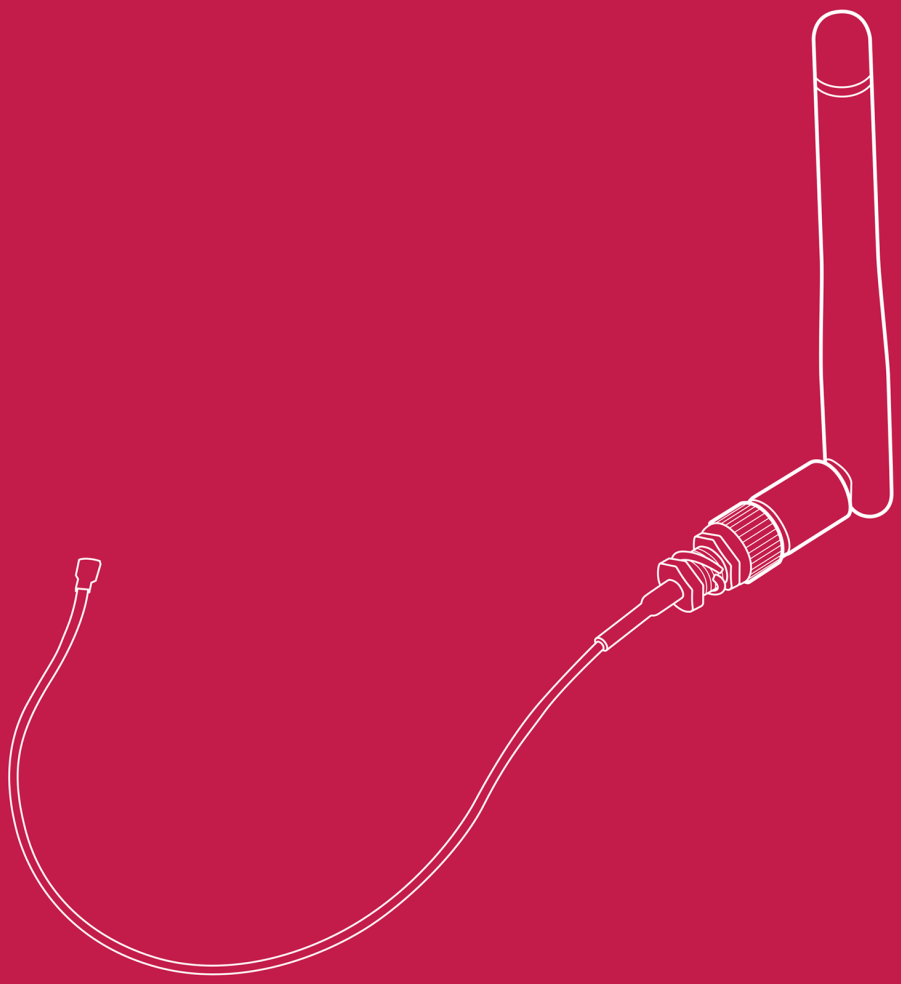
Raspberry Pi Antenna Kit

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Overview



The Raspberry Pi Antenna Kit provides a certified external antenna for those wishing to make use of the wireless connectivity of Raspberry Pi Compute Module 4 or Raspberry Pi Compute Module 5 while using a metal enclosure. Product designers can take advantage of the Antenna Kit's broad global regulatory compliance, streamlining the product development process.

The Antenna Kit is certified for use with Raspberry Pi Compute Module 4 and Compute Module 5. If a different antenna is used, then separate certification will be required, and this must be arranged by the end product's design engineer.

This product shall only be connected to Raspberry Pi Compute Module 4 or Compute Module 5.

Specification

Antenna

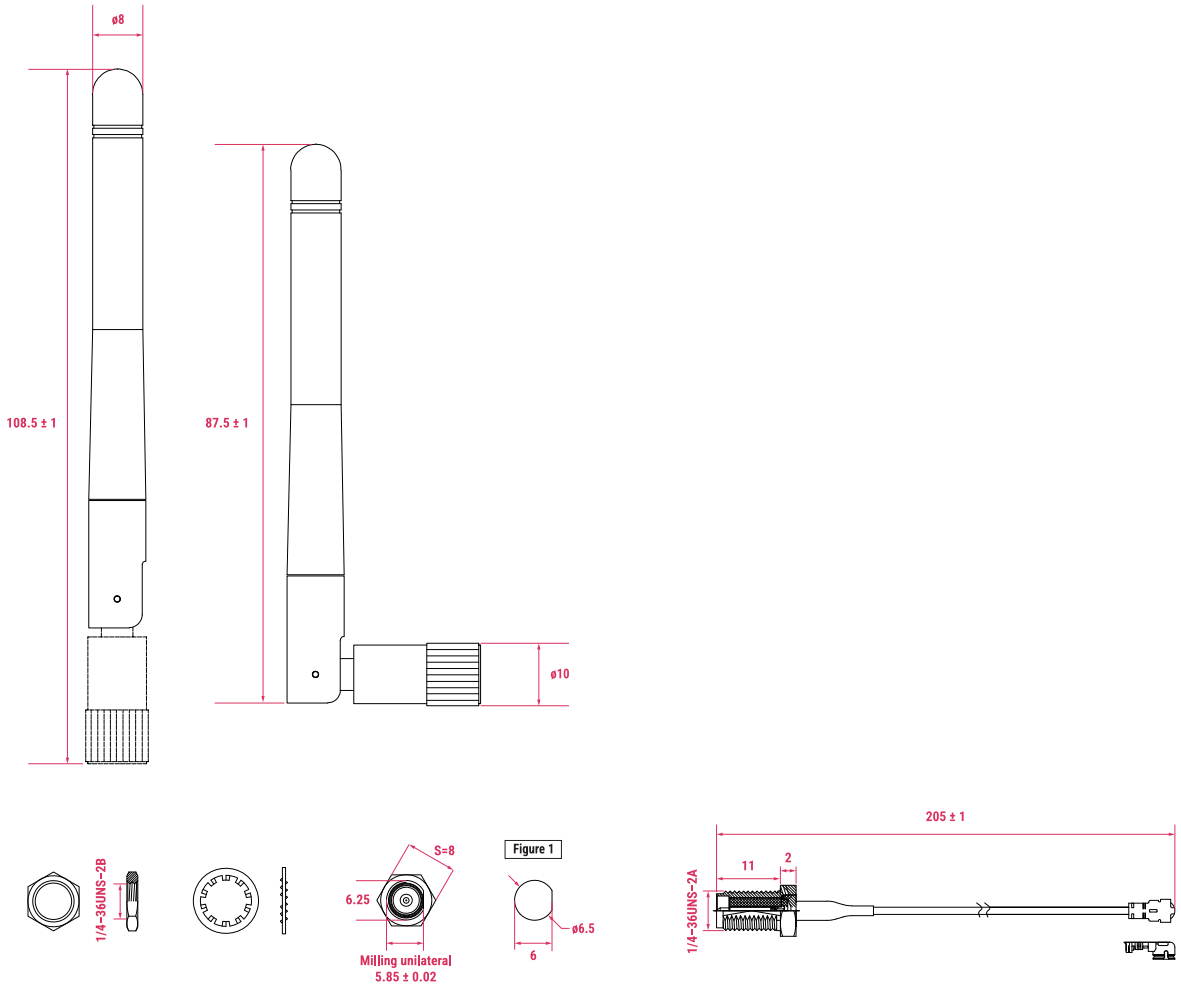
Model number	YH2400-5800-SMA-108
Frequency range	2400–2500/5100–5800 MHz
Bandwidth	100–700 MHz
VSWR	≤2.0
Gain	2 dBi
Impedance	50 ohm
Polarisation	Vertical
Radiation	Omnidirectional
Maximum power	10W
Connector	RP-SMA (female)
Dimensions	108 mm × 10 mm
Shell material	ABS
Installation	Screw
Operating temperature	−35 to +75°C
Weight	±3 g

SMA to U.FL cable

Model number	HD0052-09-A01_A0897-1101
Frequency range	0–6 GHz
Impedance	50 ohm
VSWR	≤1.4
Maximum power	10W
Antenna connector	SMA (male)
CM4/CM5 connector	U.FL

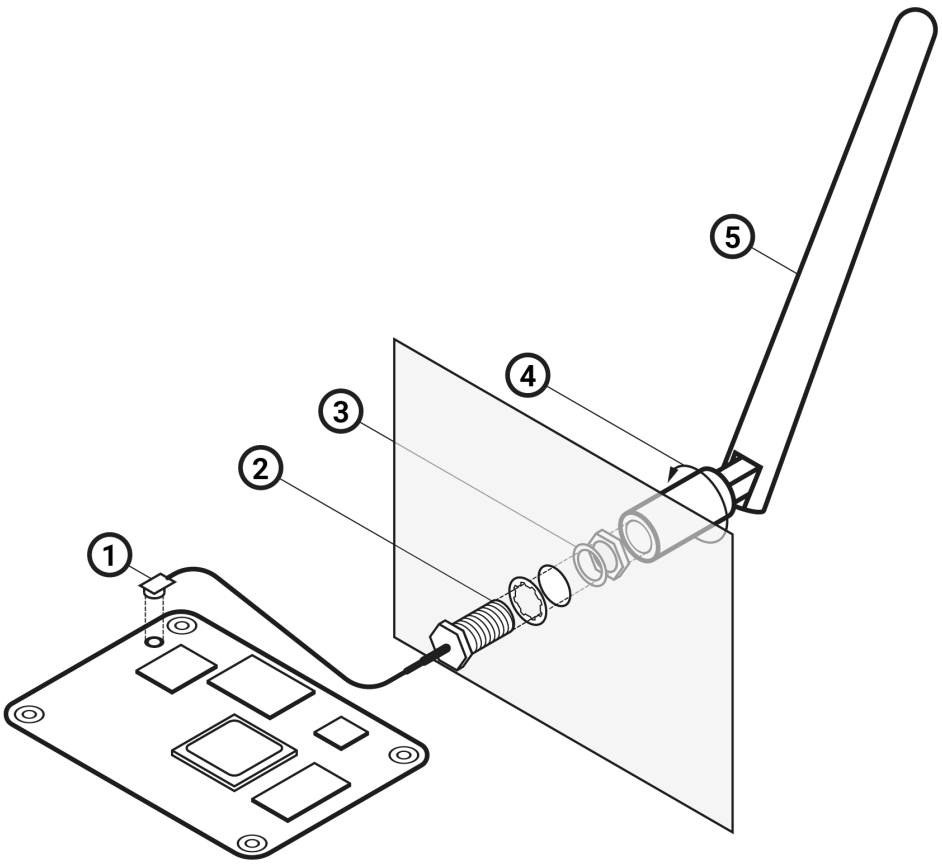
Dimensions	205 mm × 1.37 mm (cable diameter)
Shell material	ABS
Operating temperature	−45 to +80°C
Compliance	For a full list of local and regional product approvals, please visit pip.raspberrypi.com
List price	**$5**

Physical specification



Fitting instructions

1. Connect the U.FL connector on the cable to the U.FL-compatible connector on Raspberry Pi Compute Module 4 or Compute Module 5
2. Screw the toothed washer onto the SMA (male) connector on the cable, then insert the SMA connector through a hole in the end product's mounting panel; to prevent the antenna from rotating out of place during installation, it is recommended that the hole be cut to include a flat edge (see **Figure 1** above)
3. Screw the SMA connector into place with the retaining hexagonal nut and washer
4. Screw the RP-SMA (female) connector on the antenna onto the SMA (male) connector protruding through the mounting panel
5. Adjust the antenna into its final position by turning it up to 90°, as shown in the illustration below



Safety warnings

To avoid malfunction or damage to this product, please observe the following:

- This product shall only be connected to a Raspberry Pi Compute Module 4 or Compute Module 5.
- All peripherals used with this product should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met.
- Do not expose to water or moisture, or place on a conductive surface whilst in operation.
- Do not expose to external heat from any source. The Raspberry Pi Antenna Kit is designed for reliable operation at normal ambient temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the Compute Module, the antenna, and the connectors.


SSD



Raspberry Pi

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