Overview of Cisco USB GNSS Dongle

Cisco USB GNSS dongle is a USB-compatible device for use with the Cisco Catalyst Access Points (APs).

The dongle contains a Global Navigation Satellite System (GNSS) System on Chip (SoC) and a barometric pressure sensor. It provides the controller with the AP location (latitude, longitude, altitude) data.

> **Note** The Cisco USB GNSS dongle location data supersedes other connected BLE and Wi-Fi modules.

The Cisco USB GNSS dongle supports the following GNS Systems:

- BeiDou (BDS)
- Galileo
- Global Positioning System (GPS)
- Global Navigation Satellite System (GLONASS)
- Navigation with Indian Constellation (NAVIC)
- Quasi-Zenith Satellite System (QZSS)
- Satellite-based augmentation systems (SBAS)

The Cisco USB GNSS dongle is compatible with the following Cisco APs:

- Cisco Catalyst 9130AX AP
- Cisco Catalyst 9136I AP
- Cisco Catalyst Wireless 9166I APs
- Cisco Catalyst Wireless 9166D1 APs
- Cisco Catalyst Wireless 9164I APs
- Cisco Catalyst Wireless 9162I APs
- Cisco Meraki MR57 APs

Product Information

The physical specifications of the Cisco USB GNSS dongle.

Figure 1: Cisco USB GNSS dongle

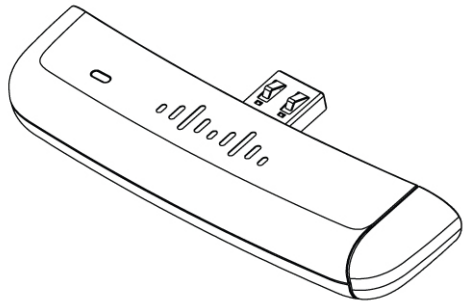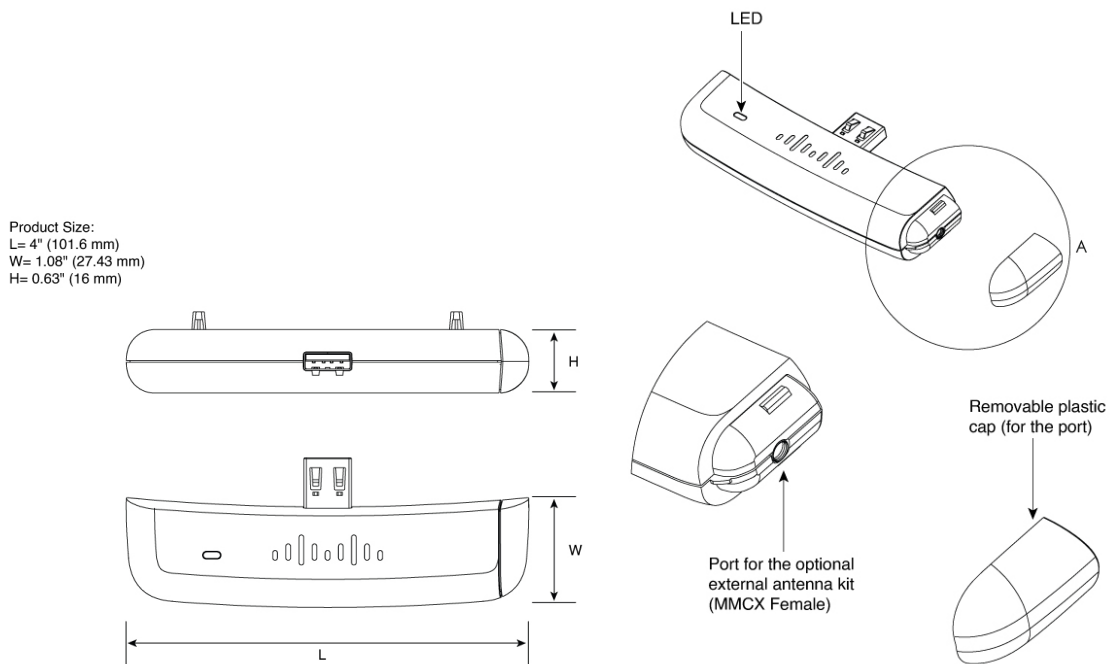**Figure 2: Cisco USB GNSS dongle Dimensions**

Product Size:
L= 4" (101.6 mm)
W= 1.08" (27.43 mm)
H= 0.63" (16 mm)

LED

A

Removable plastic
cap (for the port)

Port for the optional
external antenna kit
(MMCX Female)

Part Number	Description
CW-ACC-GPS1=	Cisco USB GNSS dongle
CW-ANT-GPS1-M-00	[Optional] Cisco USB GNSS dongle external antenna kit

Software Requirement

The Cisco USB GNSS dongle only works with supported Cisco APs running the supported software versions.

Table 1: Supported Cisco IOS-XE Software Releases

Platforms Supported	Cisco IOS-XE Software
Cisco Catalyst 9130AX AP	Cisco Catalyst 9800 Series Wireless Controller Release 17.12.1 and later releases
Cisco Catalyst 9136I AP	Cisco Catalyst 9800 Series Wireless Controller Release 17.12.1 and later releases
Cisco Catalyst Wireless 9166I AP	Cisco Catalyst 9800 Series Wireless Controller Release 17.12.1 and later releases
Cisco Catalyst Wireless 9164I AP	Cisco Catalyst 9800 Series Wireless Controller Release 17.12.1 and later releases
Cisco Catalyst Wireless 9162I AP	Cisco Catalyst 9800 Series Wireless Controller Release 17.12.1 and later releases
Cisco Catalyst Wireless 9166D1 AP	Cisco Catalyst 9800 Series Wireless Controller Release 17.12.1 and later releases
Cisco Meraki MR57	Cisco Catalyst 9800 Series Wireless Controller Release 17.12.1 and later releases

Software Requirement