



## Technical Specifications

This section provides the technical specifications of Cisco USB GNSS dongle.

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## Technical Specifications

**Table 1: Hardware Specifications**

<b>Antenna</b>	<ul style="list-style-type: none"> <li>• Embedded Antenna</li> <li>• External (active) antenna and kit with 10 meter plenum rated cable and mounting bracket (CW-ANT-GPS1-M-00).</li> </ul>
<b>Frequency Bands</b>	<ul style="list-style-type: none"> <li>• BeiDou (BDS)—B1I, B1C, B2a</li> <li>• Galileo—E1, E5a</li> <li>• Global Positioning System (GPS)—L1, L1C, L5</li> <li>• Global Navigation Satellite System (GLONASS)—L1</li> <li>• Navigation with Indian Constellation (NAVIC)—L5</li> <li>• Quasi-Zenith Satellite System (QZSS)—L1, L5</li> <li>• Satellite-based augmentation systems (SBAS)—L1</li> </ul>
<b>Supported Protocols</b>	AGPS applications, including GSM/UMTS/LTE (3GPP 44.031, 44.035, 25.331, and 36.355)
<b>Security Protocol</b>	ACT2

**Table 2: Technical Specifications**

<b>Operating Temperature</b>	-20° to +65°C (-4° to 149°F)
<b>Operating Humidity</b>	90% (noncondensing)

<b>Operation Altitude</b>	3000 meters (9843 ft) at 70°C (104°F)
<b>Non-Operation Temperature</b>	-30° to 70°C (-22° to 158°F)
<b>Non-Operation Humidity</b>	95% (noncondensing)
<b>Non-Operation Altitude</b>	4570 meters (15000 ft) at 70°C (104°F)
<b>System Power</b>	5 V, 500 mW (max)
<b>Dimensions (H x W x L)</b>	4 x 1 x 0.63 inches (101.6 x 25.4 x 16 mm)
<b>Weight</b>	0.06 lbs (27.2 grams)

# Cisco USB GNSS Dongle Antenna Patterns

The following illustrations show the Cisco USB GNSS dongle with antenna patterns:

**Table 3: Cisco USB GNSS Dongle Antenna Patterns**

