

# GNSS/GPS Antenna, Low-Profile Surface Mount, SMA-Male Lead

The Ventev GNSS low-profile puck-style antenna supports multiple satellite frequency bands covering GPS L1, GLONASS G1, Galileo E1, and QZSS L1. This high-performance antenna offers high gain and excellent out-of-band rejection and features a UV-stabilized industrial-grade plastic cover and IP65 ingress protection. This durable product is ideal for any indoor or outdoor deployments for both mobile or fixed use and includes an SMA Male connector with 20 ft. of extended cable lead. Mounting options are a single-hole stud for any flat surfaces or an optional Universal L-bracket (SKU 274461) to mount on a pole or wall.



## Specifications

|                        |   |
|------------------------|---|
| Frequency Range        | 1565-1610 MHz   |
| Polarization           | Right Hand Circular (RHCP)  |
| VSWR                   | 2.0   |
| Element Gain           | 3 dBic @ 90°  |
| LNA Gain               | 26 dB LNA   |
| Out of Band Rejection  | > 40 dBc (@ 1586 ± 60 MHz)  |
| Typical Noise Figure   | 2 dB  |
| Operating Voltage      | 3 – 5 VDC   |
| Operating Current      | 20 mA (25 mA max.)  |
| Nominal Impedance      | 50 Ohms   |
| Dimensions             | 85 x 16 mm. (3.3 x 0.63 in.)  |
| Cable Type/ Length     | RG174 / 20 ft. lead   |
| Radome Material/ Color | UV stabilized ABS black   |
| Operating Temperature  | -40°C to +75°C (-40°F to 167°F )  |
| Ingress Protection     | IP65  |
| Mounting               | Stud mount (M12 x 1) through ½" hole using stainless nut; max. panel thickness ¼" (Sealing pad on the back to minimize shaking) |
| Application            | Indoor or Outdoor   |
| Weight                 | 0.15 lbs.   |

| Connector | SKU    | MFG Part #    |
|-----------|--------|---------------|
| SMA Male  | 601172 | VG-GL1E126-SM |

## Features & Benefits

- Puck-style low-Profile high performance (26 dB LNA gain) GNSS antenna
- Multiband antenna covering GPS L1, Galileo E1, GLONASS L1, and QZSS L1
- Indoor and outdoor rated IP65 design with UV stabilized radome cover
- Ideal for fixed and mobile installations