



# TRIUMPH-3

GNSS Smart Antenna

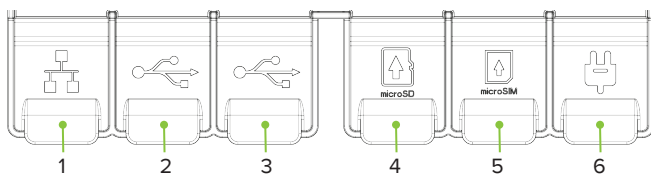


## Key Features

- All GNSS Constellations
- UHF / SS Radio / Cellular Modem
- Ethernet
- USB Host & Device
- Bluetooth 4.1
- 2.4 & 5 GHz WIFI
- 12-hour Battery Life
- Lift & Tilt

The TRIUMPH-3 is a compact GNSS Smart Antenna with a variety of wireless interfaces for hands-free operation. Dual-band Wi-Fi and Bluetooth allow easy cable free connection in the field. The TRIUMPH-3 complements the line of JAVAD receivers as a portable Base station with a quick setup for base/rover operation using the internal radio or cell modem.

Number of Channels	874	
GNSS Constellations	GPS GLONASS Galileo BeiDou QZSS SBAS IRNSS LBAND	L1 C/A, L1C (P+D), P1, P2, L2C (L+M), L5 (I+Q) L1 C/A, P1, P2, L2C, L3 (I+Q) E1 (B+C), E5A (I+Q), E5B (I+Q), AltBoc, E6 (B+C) B1, B1-2, B1C (P+D), B2, B3 C/A, B5A (I+Q), B5B (I+Q) L1 C/A, L1C (P+D), L2C (L+M), L5 (I+Q), SAIF, LEX (P+D) L1, L5 L5 1525 – 1560 MHz
Position Accuracy	Autonomous (Stand alone) DGPS RTK Static/Fast Static	<2.000m <0.500m Horizontal: 0.080m + 1 ppm, Vertical: 0.015m +1 ppm Horizontal: 0.003m + 0.1 ppm, Vertical: 0.035m + 0.4 ppm
Time for First Fix	Cold Start Warm Start Reacquisition	< 35 s < 5 s <1 second
Cellular	4G LTE Mini Card	LTE, HSPA+, HSDPA, HSUPA, WCDMA, GSM, GPRS, EDGE (up to 100 Mbps) LTE, EV-DO, 1xRTT CDMA (up to 100Mbps)
Radio	UHF ISM	1406-470MHz 902-928/ 868-870 MHz (optional)
I/O	Ethernet USB Wi-Fi Bluetooth GNSS Antenna Cellular Antenna Radio Antenna	10BASE-T/100Base 2.0 Host & Device 802.11 a, b, g, n, d, e, i 4.1 SMA SMA SMA
User Interface	Card Slots  LED Indication	microSD Card (microSDHC) up to 128 GB, Class 10  On / Off, Battery Status, External Power, Cellular, Bluetooth, WIFI, Radio, Ethernet, Satellites, Position, Recording Status
Power	Input Battery Operation Time	10 – 40 VDC Rechargeable, Li-Ion, 42,500 mWh (nom.) 12 hours
Physical & Environmental	Material Operating Temperature Storage Temperature Humidity Dimensions Weight Ingress Protection Drop	Molded magnesium alloy and plastic -40° C to +60° C -20° C to +45° C 100% condensing 182 x 96 x 78 mm (7.16 x 3.78 x 3.07 in) 1.25 kg (2.755 lbs) IP67 Survives a 2m drop



- 1. Ethernet port
- 2. USB port
- 3. USB port
- 4. MicroSIM
- 5. MicroSD
- 6. Power