



TRIUMPH-3NR

GNSS Network Rover



Key Features

- GNSS & MEMS IMU
- Compact size
- Lightweight
- 25-hour battery life
- Bluetooth, Wi-Fi, USB
- LED status

TRIUMPH-3NR is a small and light GNSS Network Rover with an integrated MEMS IMU designed for a full day of field work. Paired with JAVAD Mobile Tools for data collection, TRIUMPH-3NR easily connects to Real Time Networks for GNSS RTK corrections with IMU tilt compensation. With 25 hours run time on a single charge, work all day without a battery swap or recharge.

TRIUMPH-3NR Specifications



Tracking	Total Channels	874	
	GPS	L1 C/A, L1C, P1, P2, L2C, L5	
	GLONASS	L1 C/A, P1, P2, L2 C/A, L3	
	Galileo	E1, E5, E5A, E5B	
	BeiDou	B1, B1C, B2B, B2, B2A	
	QZSS	L1C C/A, L1C, L2C, L5, L6, L1S, L1Sb, L5S	
	SBAS	L1, L5	
	NavIC	L1, L5	
	L-Band	1525-1560 MHz	
Performance		Horizontal (m)	Vertical (m)
	Autonomous (Stand alone)	1.000	1.500
	SBAS	0.500	0.850
	DGPS	0.250	0.500
	JStar (PPP)	0.025	0.050
	RTK	0.008 + 1 ppm	0.015 + 1 ppm
	Network RTK	0.008 + 0.5 ppm	0.015 + 0.5 ppm
	Static / Fast Static	0.003 + 0.1 ppm	0.004 + 0.4 ppm
Time to First Fix	Cold Start	< 35 s	
	Warm Start	< 5 s	
	Reacquisition	< 1 s	
	RTK Initialization	2 - 6 s	
Output Rate	Position / Heading	up to 100 Hz	
	Measurements	up to 100 Hz	
Wireless I/O	Wi-Fi	2.4 & 5 GHz, 802.11 ac/a/b/g/n	
	Bluetooth	v 5.1, Class 2	
Wired I/O	USB	Host / Device, USB 2.0, micro B	
Antenna	GNSS Antenna	Internal; Microstip (Zero Centered); Flat Ground Plane	
Storage	Internal Memory	64 GB	
Status/Interface	LEDs	Battery Status / External Power, Bluetooth, Wi-Fi, Satellites, Position Mode, Recording Status	
	Buttons	Power On/Off, Recording On/Off	
Power	Connector	3.5 mm jack	
	Input Voltage	+10 to +30 VDC	
	Battery	Internal Rechargeable Li-Ion (63.7 Wh)	
	Battery Charger	Internal	
	Operation Time	Up to 25 hours	
Physical	Material	Plastic Cover, Metal Base	
	Dimensions	132 x 85 x 61 mm (5.20 x 3.34 x 2.40 in)	
	Weight	0.63 kg (1.39 lbs)	
Environmental	Operating Temperature	-40° C to +60° C (-40° F to +140° F)	
	Storage Temperature	-45° C to +85° C (-49° F to +185° F)	
	Humidity	100% Condensing	
	Shock & Vibration	MIL-STD-810H; Survives 2m drop	
	Ingress Protection	IP68	

*Refer to the user manual for full specifications.

GNSS performance is dependent on signal quality, satellite geometry, ionospheric and tropospheric conditions, baseline length, multipath effects and RF interference. Specifications may be changed without notice.