



T3-NR

GNSS Network Rover

https://grafinta.com/wp-content/uploads/2024/06/TRIUMPH-1MPlus_gsa.pdf



Key Features

- GNSS & MEMS IMU
- Small Size
- Light Weight
- 25 Hours Battery Life
- Bluetooth, WiFi, USB
- LED Status

The T3-NR is 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, the T3-NR easily connects to Real Time Networks for corrections to get GNSS RTK with IMU tilt compensation. With 25 hours run time on a single charge, the T3-NR provides all-day power without needing a battery swap or recharge.



Avda. Filipinas, 46
28003 Madrid
Tfo. 91 5537207

E-mail grafinta@grafinta.com

T3-NR Specifications



Number of Channels	874	
GNSS Constellations	GPS GLONASS GALILEO BeiDou QZSS SBAS IRNSS L-Band	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), CBOC, E5A(I+Q), E5B(I+Q), AltBoc B1, B1C(P+D), TMBOC, B2B(I+Q), B2, B2A(I+Q), AltBoc L1 C/A, L1C(P+D), L1S, L1Sb, L2C(L+M), L5(I+Q), L5S L1, L5 L5 1525 - 1560 MHz
Position Accuracy	Autonomous DGPS RTK Tilt Compensated RTK Static/Fast Static	< 2 m < 0.5 m Horizontal: 0.008 m + 1 ppm Vertical: 0.015 m + 1 ppm RTK + 5 mm + 0.5 mm / ° tilt, up to 30° Horizontal: 0.003 cm + 0.5 ppm Vertical: 0.005 m + 0.4 ppm
Time for First Fix	Cold Start Warm Start Reacquisition	< 35 s < 5 s < 1 s
Antenna	GNSS Antenna Type Ground Plane	Internal Microstrip (Zero Centered) Flat
Memory & Recording	Internal Memory Data Recording	32 GB Up to 100 Hz
Status/Interface	LED Indication Buttons	Battery Status / External Power, Bluetooth, W-Fi, Satellites, Position Mode, Recording Status Power On/Off, Recording On/Off
I/O	USB Wi-Fi Bluetooth Power Input	Host / Device, USB2.0, micro B 2.4 & 5 GHz, 802.11 ac/a/b/g/n v 5.1, Class 2 3.5 mm Jack
Power	Battery Battery Charger Operation Time External Power Input	Internal Rechargeable Li-Ion (63.7 Wh) Internal 25 hours 10 - 30 VDC
Physical & Environmental	Material Operating Temperature Storage Temperature Humidity Ingress Protection Dimensions Weight	Plastic Cover, Metal Base -40° C to +60° C (-40 °F to 140 °F) -45° C to +85° C (-49 °F to 185 °F) 100% condensing IP68 132 x 85 x 61 mm (5.20 x 3.34 x 2.40 in) 0.63 kg (1.39 lbs)

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.

