

GNSS and Network Solutions ► NET-G5



NET-G5

Superior tracking of all constellations and signals for reference station solutions

⊕ Product Info



Designed from the ground up from Topcon's years of proven signal tracking innovation, the NET-G5 receiver was born to perform within a reference station network. The recipe for success is to always have the highest technology at your reference station to then better host any client

that joins the network. Future-ready, if there is a navigational satellite up above, this receiver tracks and uses it.

- Efficient signal tracking across the entire GNSS spectrum
- 452 Universal Channel Vanguard Technology
- Built-in Bluetooth and Wi-Fi connectivity
- Integrated web interface for remote management
- Up to 32GB internal memory

⊕ Specifications

NET-G5 Specifications

GNSS Tracking

Number of Channels	452-Channel Vanguard Technology with Universal Tracking Channels
Number of Satellites Tracked	GPS, GLONASS, QZSS, SBAS, Galileo, L-Band and BeiDou (BDS)
Antenna connector	External – Geodetic full wave CR-G5 or PN-A5 antenna

Accuracy

Accuracy	Static/Fast Static: H: 3.0 mm + 0.4 ppm V: 5.0 mm + 0.5 ppm
*	Precision Static: H: 3.0 mm + 0.1 ppm V: 3.5 mm + 0.4 ppm
	RTK (L1+L2): H: 5 mm + 0.5 ppm V: 10 mm + 0.8 ppm

**See brochure for more information.*

Data

Memory Card	Removable SD/SDHC up to 32 GB
Update/Output rate	1Hz - 100 Hz selectable
ASCII output	NMEA 0183 version 2.x, 3.x and 4.x
Real Time Data Output	TPS, RTCM SC104 v2.x, 3.x and MSM, CMR/CMR+, BINEX, RINEX

Communications

Ports*	3 Serial, 1 USB, 2 Power, 1 Ethernet
Bluetooth	Class 2 v2.0 + EDR
Wi-Fi	Yes
USB	Host and Device supporting OTG functionality
Cellular	Integrated HSPA+

**RS-232 serial ports / PoE Class 3 Ethernet*

Physical and Environmental

Interface	Multi-function power button supporting data logging and factory reset operations
Dimensions	W: 5.9" (150 mm) H: 2.4" (60 mm) D: 7.9" (200 mm)
Weight	Less than 4.4 lbs. (2 kg)
Humidity	100% condensing

Power and Electrical

External Power Input*	Nominal 12 VDC
Power Consumption	Less than 5.0 W (typical)
Ports	2 x Power ports (1 primary and 1 backup) plus Class 3 PoE

**External power input range 9V - 28VDC*

Certifications and Standards

Dust/Water Protection	IP67
Drop Test	2 meter drop to concrete surface, IEC 60068-2-29, IEC 60068-2-27
Vibration Rating	Compliance with MIL-STD 810G, Method 514.6, Category 4
Shock / Crash Safety	Method 516.6 (40 g RMS)

Performance

Operating Temperature -40°C to 80°C with external power / -30°C to 65°C with integrated batteries

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For more information, and to locate a dealer closest to you, visit:

<https://www.topconpositioning.com/#dealerModal>

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