

ProMark 500 — Single Unit Network RTK Configuration

The ProMark 500, introduced in 2008, is a state-of-the-art GNSS receiver that has the ability to track every GNSS observable satellite in space as well as being capable of tracking those planned for the future. In the 1990's, Magellan (then called Ashtech) pioneered GPS-GLONASS receivers which are the standard technology of today. It is capable of delivering real-time accuracy at the 1cm level and post-process accuracy of 5mm.

The Network RTK ProMark 500 is a high performance RTK rover designed to operate on any RTK Network broadcasting either GPS-only or GPS and GLONASS using its internal GSM modem (CDMA available 4th Quarter 2008).

Capabilities:

- Obtain cm-level accuracy on any RTK Network using either GPS-only or GPS-GLONASS from any RTK Network vendor.
- OPUS/OPUS-RS post-processing in static mode.
- Field-to-Finish topo data collection.
- Construction staking. Point staking, offset staking.
- Calibrate to your local coordinate system.
- High precision GIS.
- COGO functions.
- View TIN and calc volumes in the field.
- Connect data collector to your total station and continue working.

A built-in GSM modem means what-you-see-is-what-you-get with the ProMark 500. Take it out of the box and minutes later you are connected to your local RTK Network and can begin surveying. If you have a phone using a GSM network, you can simply take the SIM chip out of the phone and put it in the ProMark 500. It only takes 30 seconds!

Two for the price of one. Only with the ProMark 500 do you also get a sub-meter, hand-held GIS data collector; the Mobile Mapper CX. You can load ArcPad or other data collection programs to handle the GIS work you need done. No other instrument offers this dual-use function. It saves you money.

All ProMark 500 systems sold by Resource Supply, LLC include 4 hours of free training at the Tigard office. For more information please call Jon Aschenbach at 503-707-6236 or email: jon@resourcesupplyllc.com.

#PM500SingleRTK Price: \$15,420.00

Add GLONASS at \$2,990.00

#PM500SingleRTKG Price: \$18,410.00

To order contact:

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ProMark 500 Single Unit Network RTK Specifications:

GNSS Characteristics:

GPS L1/L2 P-code, GLONASS L1 C/A, L2-P code,
SBAS (WAAS, EGNOS, MSAS)
Magellan BLADE technology
Advanced Multipath mitigation
Update rate: 10 Hz



ProMark 500

Real Time Accuracy (rms)

Real Time Kinematic Position:
Horiz. 10 mm + 1.0 ppm
Vertical 20 mm + 1.0 ppm

Real Time Performance

Typically 2 second initialization for baselines < 20 Km
99.9% reliability

RTK initialization range: >40 Km

Post Processing Accuracy (rms)

Static, Rapid Static: Horizontal: 5 mm + .5 ppm
Vertical: 10 mm + 1 ppm



ProMark 500 Screen

Size and Weight:

9" x 7.4" x 3.3"
3.1 pounds

Memory

Log up to 400 hours of 15 sec. raw GNSS data from 18 satellites
128 Megabytes of internal memory

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Contents of ProMark 500 Single Unit Network System:

ProMark 500 GNSS unit
ProMark 500 Accessories
RTK option
GSM/GPRS activation
GNSS Solution RTK + L1 Post Processing
Mobile Mapper CX Field Terminal
Hard Case
Extra ProMark 500 Battery