

## FEATURES AND BENEFITS

**Scalability:** easily expand geographic coverage with additional reference stations and upgrade functionality with the addition of RTKNet software.

**Centralized Control:** connect receivers to a central control station via Internet/LAN using low-cost, high-speed, flexible communication links.

**Choice:** select from Trimble NetRS™ or 5700 GPS CORS receiver or use your existing GPS hardware<sup>1</sup>.

**Unlimited Number of Users:** easily manage and transmit data to an unlimited group of roving RTK receivers; store and post data to the Internet for remote download and postprocessing.

**Integrity Monitoring:** monitors stability of all network receivers and alerts you to any problems.

## MANAGING MULTIPLE GPS RECEIVERS IN A NETWORK

### Scalable Infrastructure Solutions for Today and Tomorrow

Designed to connect multiple GPS receivers in a network, the Trimble® GPSNet reference station software package is ideal for a range of precision GPS applications including surveying, engineering, construction and GIS data collection. It is an affordable and easy-to-use solution for the operation of a GPS network using multiple receivers.

### Scalable Fixed Reference Stations

As part of the line of Trimble scalable infrastructure solutions, GPSNet is available as a starting point for new networks of reference stations or as an upgrade to GPSBase.

Trimble provides a portfolio of infrastructure solutions to accommodate single reference stations, networks of reference stations or fully modeled RTK solutions. This scalability allows you to select the best solution for your requirements and expand both geographical coverage area and functionality as required. GPSNet provides the ability to setup a network of reference stations, and it can be upgraded to RTKNet for the setup of a VRS™ (Virtual Reference Station) solution.

GPSNet expands the geographic territory covered by the Trimble GPSBase software and enables a single administrator to operate an unlimited number of receivers in a network. Using GPSNet, you can establish and control a network of fixed reference stations to provide RTK corrections or postprocessed data for your area of operation—whether it is a city, county, state or country. The fixed reference station network is available, 24/7, and eliminates the need to set up a temporary base station for each individual project—saving you time and money.

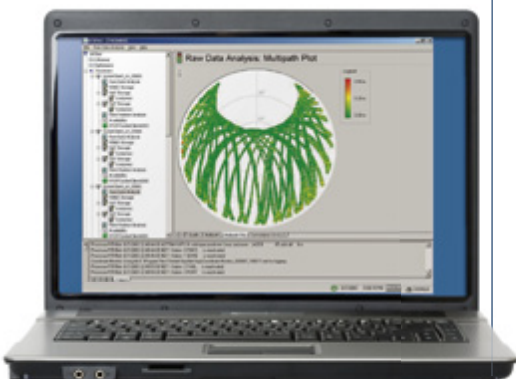
## Easy to Use

GPSNet allows you to control and manage an unlimited number of GPS reference stations from a single control center. The GPS receivers can be connected using LAN or Internet as well as other connections, and the software provides tools for data management and distribution, receiver operation, and integrity monitoring. To ensure high performance and data integrity at all times, you can easily monitor the status and performance of receivers across the network from a central location.

## Integrity Monitoring

GPSNet is designed to constantly monitor the integrity of the complete system. Its powerful integrity monitoring functions ensure that the complete system—from the reference station itself to data an end-user receives in real-time or postprocessed operation—is fully operational and providing correct information. The software monitors the position and status of the reference stations, the quality of the raw data observables, and the solution quality indices presented to the end-user.

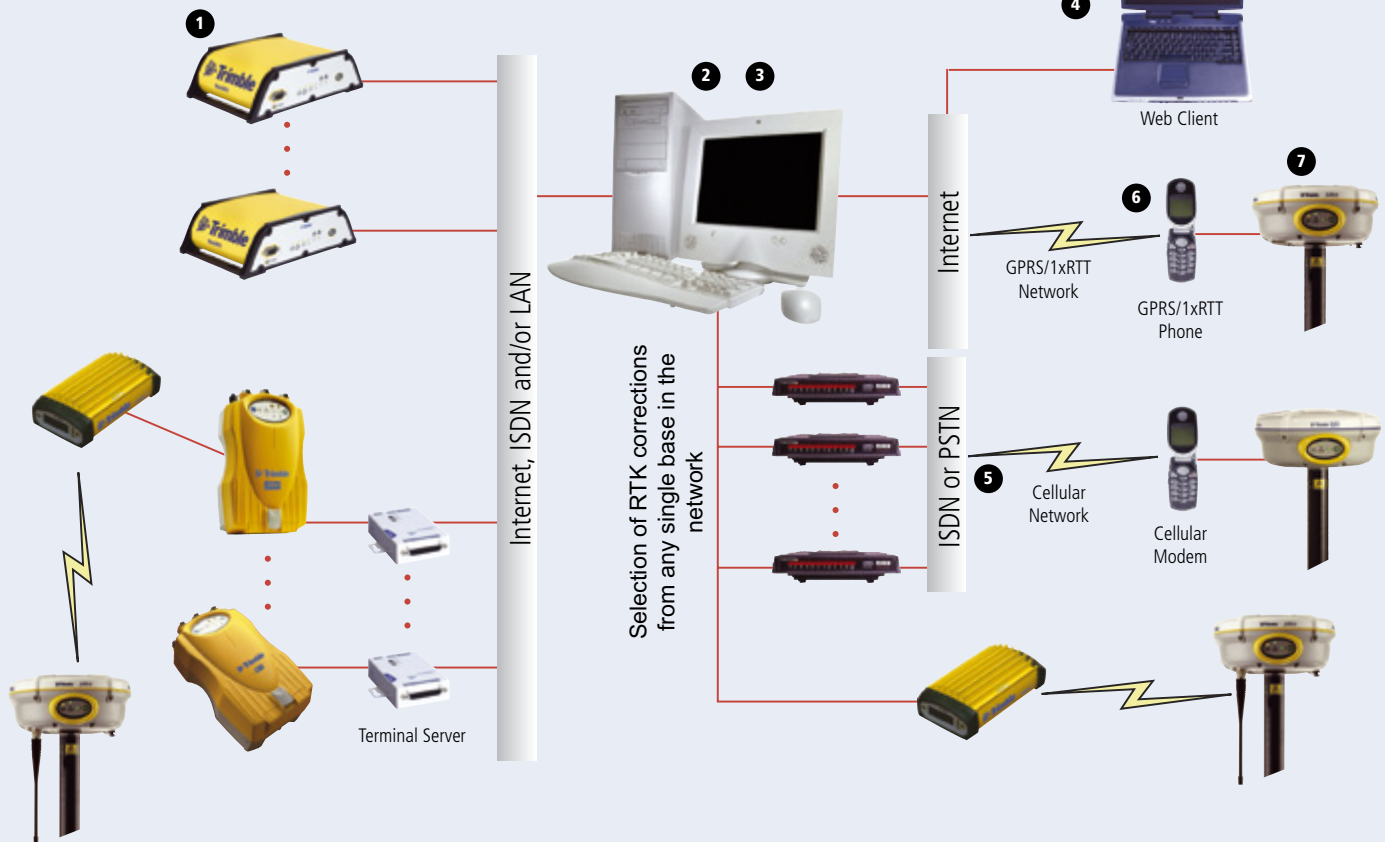
<sup>1</sup> GPSNet works with most major brands of GPS receivers. For details, please contact your local Trimble representative.



## MANAGING MULTIPLE GPS RECEIVERS IN A NETWORK

### GPSNet Server

- Central Data Storage
- RTCM/CMR Multistation
- Coordinate Monitor



1. Trimble NetRS and 5700 CORS are recommended; however, most geodetic receivers are supported.
2. Allows automatic selection of nearest base station in the network when using a two-way data link.
3. Continuous reference station coordinate estimation with automatic alarming.

4. Minimum computer specifications: dependent on the size of the network and the number of rovers supported. Please contact your Trimble Infrastructure representative for details.
5. Automatic reference station selection when using an access server.

6. User selects correction source over the Internet using the NTRIP protocol.
7. Data can be used in real time by an unlimited number of Trimble rovers as well as other GPS rovers.

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