

## KEY FEATURES

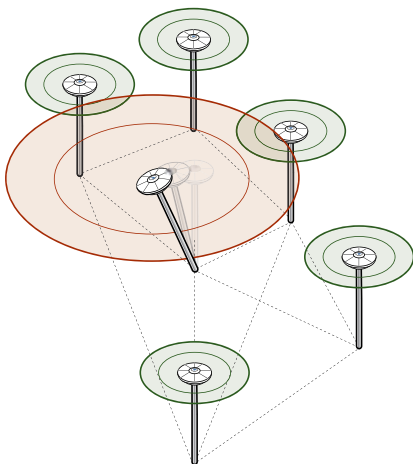
Monitor the stability of reference antennas

Manage GNSS network dynamics and quality

Customizable alerting options

Complete suite of monitoring tools

Range of filtering and analysis options



GNSS Infrastructures are remarkably fault tolerant, consistent, repeatable, and secure. In fact, most network operators using Trimble hardware and software cite uptimes of about 99%. As a result, availability is generally not a significant issue for operators of Trimble networks.

Beyond system availability, there are other factors that should be considered and actively managed. One facet of total system integrity, the movement of network reference stations can have a direct impact on the accuracy of network correctors. Trimble® Integrity Manager™ software is a comprehensive application designed specifically to monitor and manage network dynamics.

Despite the hours and resources invested in carefully installing network reference antennas, managing the placement of these antennas is never truly finished. Movement can come from a variety of sources or events—most of which are outside the control of network operators. Everything from tectonic movement to the flow of ground water to simple human error, can easily affect the position of network antennas. With Trimble Integrity Manager, you can better understand these conditions and have all of the information you need to know when to take action.

### A SUITE OF MOTION ENGINES

Trimble Integrity Manager provides a range of diagnostic tools and alerting options to keep network operators in control of network dynamics. Long term (chronic) motion can have as many significant results as short-term (acute) change. In addition, regular tracking and analysis can provide an enhanced understanding of the cyclical and seasonal conditions affecting your network.

### RAPID MOTION ENGINE

When antennas move quickly, you need to know about it fast. Able to track motion of 3 cm per second, the Rapid Motion engine will alert you of acute motion such as earthquake or simply due to workman's mishandling of an antenna.

### NETWORK MOTION ENGINE

Tracking changes to the basic geometry of a network, the Network Motion engine provides trend data for long-term motion analysis.

### SERVER-BASED RTK ENGINE

To assess motion quickly, server-based baseline solutions are calculated using an adjacent station to send raw observables to a server-based RTK engine.

### POST PROCESSING ENGINE

The time required to arrive a post processed solution is rewarded with extreme accuracy. This is a very effective means of determining long-term drift and assessing cyclical movement.

### MULTI-FACETED APPROACH TO MANAGEMENT

Through comprehensive detection, alarming and measurement options, Trimble Integrity Manager provides the tools you need to understand how motion is affecting your network. In addition to knowing when and how events are affecting accuracy, Trimble Integrity Manager delivers the detailed data you need to know when to take action.

# TRIMBLE INTEGRITY MANAGER

## MINIMUM SYSTEM REQUIREMENTS

The minimum hardware requirements for the computer(s) running Trimble Integrity Manager are:

### Processor

- Single or Dual processor, at least at 3.0 GHz, or Dual core processor, at least at 1.5 GHz
- Random Access Memory: 2 GB
- USB port
- CD ROM Drive
- Graphics card with 1024 x 768 resolution and 16 MB RAM
- Hard Disk Capacity: 6 GB or more free space on the local drive for databases
- At least 20 GB free hard disk space for general operation

### Operating System:

- Microsoft Windows Server 2003, Service Pack 1 or Windows XP Professional, Service Pack 2 or later

### Ethernet Communications:

- 100 Mbit communication link between computers running Trimble Distributed Environment
- 10 Mb communication link between computers running Trimble Distributed Environment and computers running Trimble Integrity Manager UI

### Peripherals

Mouse, Keyboard, and Color Monitor.

## ENGINE CAPABILITIES\*

ENGINE	TIME TO DETECT	MEASUREMENT ACCURACY
Network Motion	3 hours	2 mm
Rapid Motion	1 second	3 cm/second
Server-based RTK	1 second	2 cm
NMEA	1 second	2 cm
Postprocessing	15 minutes	1 mm

\* All quoted capabilities represent the best likely performance. Actual capabilities will depend on the quality of the reference station installations, baseline lengths, and other network-specific factors.

## TRIMBLE INTEGRITY MANAGER PACKAGES AND OPTIONS

PRODUCT FEATURE	TRIMBLE INTEGRITY MANAGER	TRIMBLE INTEGRITY MANAGER – POSTPROCESSING ONLY
Support for 10 Reference Stations	✓	✓
Real-Time Station Data Streaming and Storage	✓	✓
Network Motion Engine	✓	
Rapid Motion Engine	✓	
Trimble Report Generator	✓	
Server-Based RTK Engine	✓	
Post Processing Engine	Optional	✓
Detailed Reporting	✓	✓
Support for additional reference stations	Optional	Optional

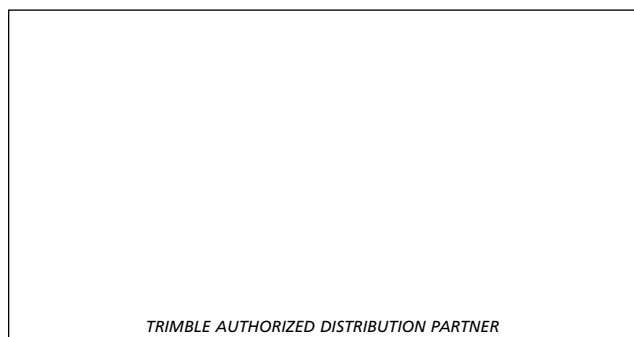
## TRIMBLE INTEGRITY MANAGER COMPONENT RUNNING MODES

COMPONENT	SERVICE	APPLICATION
User Interface		✓
Trimble Database Server	✓	
Trimble Distributed Environment	✓	
Trimble Services Administrator	✓	
Trimble Report Generator		✓

## ORDERING INFORMATION

PRODUCT	PART NUMBER
Trimble Integrity Manager	PN 62660-10
Trimble Integrity Manager – Postprocessing only	PN 62660-20
Option: Support for 5 additional reference stations <i>Can be used with either PN 62660-10 or PN 62660-20</i>	PN 62660-30
Option: Postprocessed capability <i>Can be used with PN 62660-10</i>	PN 62660-40

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