

RTK Bridge-E

Provides Radio Access to Network RTK Corrections



Intuicom's RTK Bridge-E™ is a fully ruggedized network device that enables the broadcast of GPS Network corrections to be transmitted across radio systems. The RTK Bridge-E replaces the GPS base station and extends Networked GPS corrections to projects and areas where these corrections may not otherwise be available or easily accessible.

FUNCTIONALITY AND FLEXIBILITY

The RTK Bridge-E supports all primary correction formats including MAX, i-MAX, AutoMax, CMR+, and RTCM 2.0/3.x. The RTK Bridge-E offers the option of the Intuicom's "best-in-class" embedded radio in 900 MHz or 2.4 GHz; as well as supporting 3rd party radios and existing legacy radio systems.

BASIC OPERATION

The RTK Bridge-E interfaces to the Internet via Ethernet and automatically connects to GPS Network servers, including Leica Spider and Trimble VRS. The RTK Bridge-E establishes connectivity, authenticates, and then pulls the appropriate RTK corrections for its location. These corrections are then broadcast over radio to the roving GPS receivers that utilize the correction messages for accurate positioning.

EASE OF USE

The RTK Bridge-E has been designed with simplicity in mind. Set up takes only minutes from the box to the field. Simply enter your login parameters or NTRIP configurations and the message type you wish to receive, and you can begin.

GET THE MAX FROM INTUICOM

Forget GPS Base Stations and get all the power of Network corrections including locations outside of cellular coverage and Internet access. The RTK Bridge-E gets the user the maximum performance from available GPS/GNSS Networks.

FEATURES

- Enables network GPS/GNSS corrections over radio systems
- Replaces need for RTK Base Station GPS
- Supports primary correction formats
- Supports NTRIP protocol & raw TCP sockets
- Embedded radio options
- Extended temperature range: -40° to +75°C
- Compatible with Trimble, Topcon, Leica and all major precision GPS instruments

To learn more about enabling wireless networking for your applications, please contact us at: info@intuicom.com or call (303) 449-4330

BENEFITS

- Free yourself of GPS Base stations forever
- Improve efficiency and time in the field
- Reduce costs

APPLICATIONS

The RTK Bridge-E has proven to save time and money for a variety of applications including:

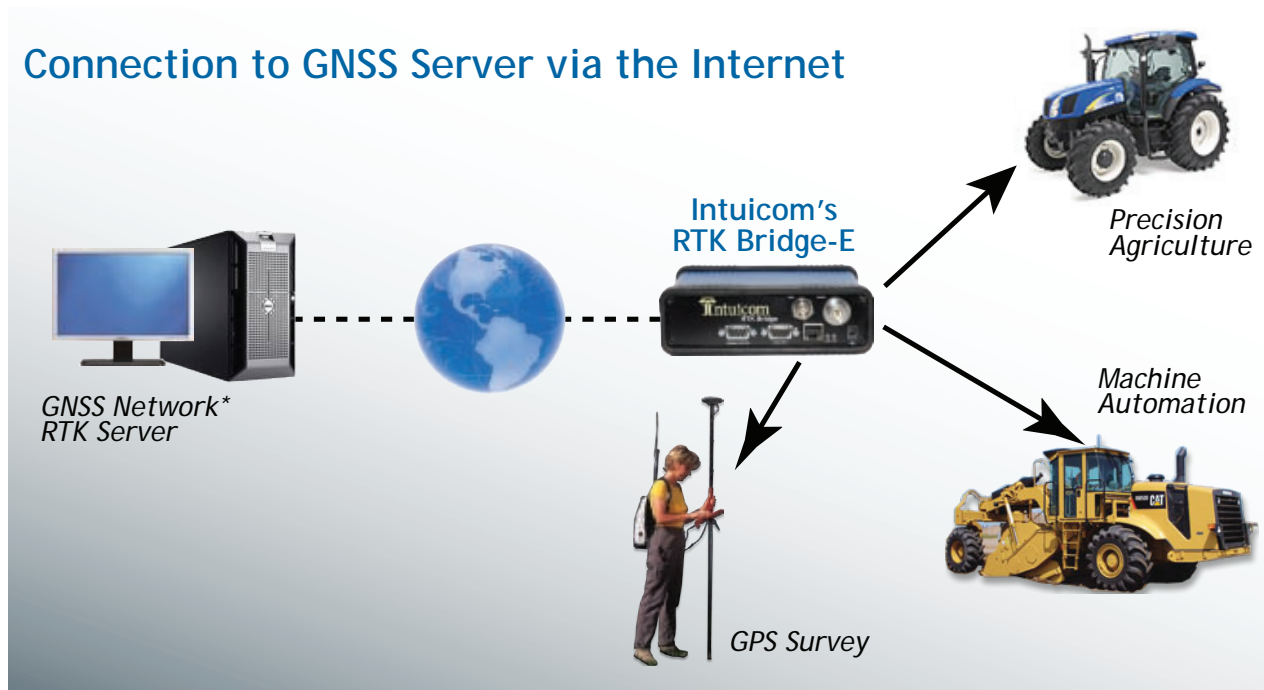
- Precision Agriculture
- Machine Automation
- Construction
- GPS Survey

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Connection to GNSS Server via the Internet



GENERAL SPECIFICATIONS

Enclosure	Ruggedized aluminum
Size	H: 53 mm x W: 167 mm x L: 143 mm
Weight	850 gms
Operating Temperature	-40° C to +75° C
Connectors	
RF	N-Type (female)
GPS Antenna	TNC (female)
Data Interface	Ethernet: RJ45 RS232: DB9-F
Input Voltage	6-30 VDC

EMBEDDED WIRELESS TRANSCEIVER

License-free Operation in North America

Frequency Range	902-928 MHz, 2.4 - 2.4835 GHz
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RADIO DETAILS

Embedded radio compatible with:	Intuicom 1200 Datalink, Communicator II, Navigator II and Freewave Radios
Proven compatible with:	Pacific Crest Radios, Trimble® Radios, Topcon Radios, ARWEST, Johnson and Motorola Radios

NOTE: Specifications subject to change without notice
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* Supports Leica Spider, Trimble VRS, and most other GNSS Networks

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