

# RTK Bridge-C™

PROVIDES ACCESS TO NETWORK RTK CORRECTIONS



Intuicom's RTK Bridge-C™ is a field hardened network device enabling Network RTK corrections to be utilized by a broad variety of Precision GPS/GNSS products including survey instruments, machine control and precision agriculture equipment. The RTK Bridge replaces the GPS base station and extends Network RTK corrections to projects and areas where these corrections may not otherwise be available or easily accessible.

## BASIC OPERATION

The RTK Bridge interfaces to the Internet via embedded cellular modem and automatically logs on to real-time network servers. The RTK Bridge establishes connectivity, authenticates, and then pulls the appropriate RTK corrections for a variety of precise positioning applications.

## EASY SETUP AND OPERATION

It takes only minutes to get from the box to the field. Simply have the access parameters along with the message type you wish to receive, and you can get started.

## EMBEDDED RADIO OPTIONS

The RTK Bridge offers the option of an embedded radio (UHF or 900 MHz) to transmit network corrections to equipment that rely on radio connectivity. Non-radio versions of the RTK Bridge-C are available for direct connections where feature-rich, hardened NTRIP connectivity is required or when used with a 3rd-party or legacy radio system.

## NETWORK CONNECTIVITY

The RTK Bridge has demonstrated best-in-class performance for all major Real-Time Networks including:

- Trimble VRS™
- Leica GNSS Spider
- Topcon TopNet
- Geo++®

The RTK Bridge-C supports the all primary correction formats:

- RTCM 3.X/2.X
- CMR/CMR+
- MAX/IMAX
- Other

## GET CONNECTED!

Get connected and put all the power of a Network RTK to work for you. Save daily setup time, eliminate base station maintenance and configuration issues. Get the RTK Bridge-C and get productive - start saving time and money now.

## KEY FEATURES

- Provides Connectivity to Network RTK corrections.
- Extends cellular network coverage
- GSM/EDGE/GPRS and CDMA options
- Replaces the need for RTK Base stations
- UHF (403-470 MHz) and 900 MHz embedded radio options
- Waterproof and Industrial hardened
- Extended temperature range: -30°C to +75°C
- Compatible with Trimble®, Topcon®, Leica, Magellan®, Case IH, AgLeader®, and many other manufacturers

*To learn more about the RTK Bridge-C and how to make your applications more productive, please contact us at:*

*RTK@intuicom.com  
or call 303.449.4330*

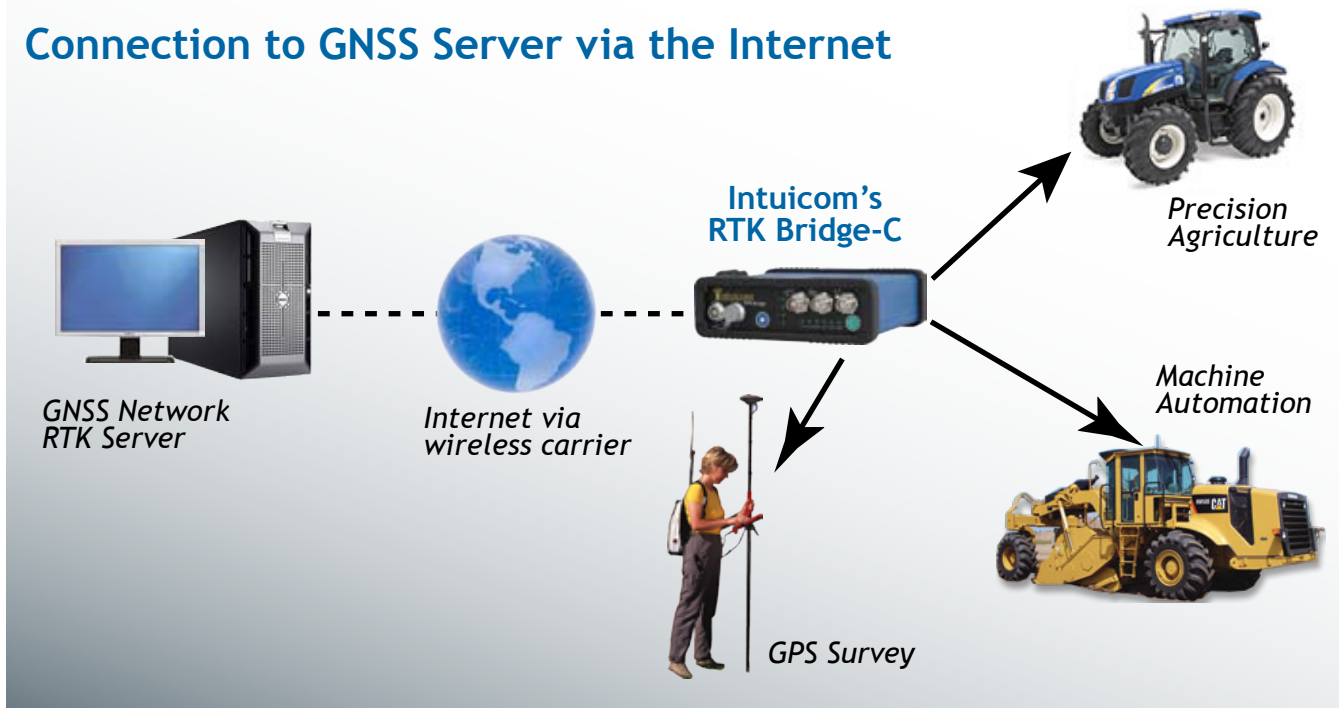
**Intuicom**

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## Connection to GNSS Server via the Internet



### GENERAL SPECIFICATIONS

Enclosure	<b>Ruggedized aluminum; IP66</b>	Connectors	
Size	<b>(h)53 mm x (w)167 mm x (l)143 mm</b>	RF	<b>TNC (female)</b>
Weight	<b>850 g</b>	GPS Antenna	<b>TNC (female)</b>
Operating Temperature	<b>-30° C to +70° C*</b>	Modem	<b>TNC (female)</b>
Power (@ 12VDC)	<b>5W-18W (dependent on configuration)</b>	Data Interface	<b>RS232: LEMO (2X)</b>
Input Voltage	<b>12-24 VDC</b>		

### EMBEDDED WIRELESS TRANSCEIVER

Frequency Range	<b>902-928 MHz (license-free in N. America)</b>	<b>403-470 MHz (UHF)**</b>
Transmitter		
Output Power	<b>100 mW to 1 W (+30 dBm) ; programmable</b>	<b>100 mW to 1 W (+30 dBm) ; programmable</b>
Link rate/Modulation	<b>115 Kbps / GFSK</b>	<b>9600 / 19,200 4 Level FSK</b>
		<b>4800 / 9600 GMSK</b>
Channel Spacing	<b>230 KHz</b>	<b>12.5 / 25 KHz</b>
Protocols	<b>Proprietary: TDMA or Point-to-Multipoint</b>	<b>Pacific Crest, Satel, TRIMTALK™</b>
Error Correction	<b>32 bit CRC Retransmit on error</b>	<b>Forward error correction</b>

\* Some configurations have narrower temperature range. Contact Intuicom for details.  
 \*\* May require license from appropriate governing agency



NOTE: Specifications subject to change without notice  
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