

RTK Bridge® -X

Unmatched Access to Network RTK Corrections Combined with WiFi and Remote Access



Improving upon reliable delivery of RTK Corrections, the RTK Bridge-X is a field-hardened communications hub offering a WiFi hotspot and Internet access. Along with Remote Access and the greatest compatibility available from any manufacturer, the RTK Bridge-X takes productivity in the field to a new level.

WiFi AND INTERNET CONNECTIVITY

Connect to WiFi devices such as laptops, tablets and smart phones while in the field. Use your cellular connection to access the Internet to check or send emails, transfer files, connect to Cloud services, and more.

REMOTE CLOUD-BASED SUPPORT

With the optional *Intuicom Remote Support* service, Intuicom support experts can configure and troubleshoot the RTK Bridge-X remotely and instantly—no need to leave the field to resolve any issues!

PUT YOUR BASE STATION ONLINE

New features such as Base2Socket™ extends the range of your base station almost indefinitely, allowing you to connect multiple devices over the Internet no matter where you are.

900 MHz, UHF AND GPS

Internal, industry-standard, license-free 900 MHz or UHF transceivers are also available to meet any working environment. An internal GPS is also provided for maximum flexibility.

UNSURPASSED COMPATIBILITY

As with all RTK Bridge products, all major manufacturers are supported. This allows users to leverage their existing investment in equipment while still enjoying all the advantages of the standard-setting RTK Bridge-X.

KEY FEATURES

- Easy access to Real-Time Networks
- WiFi Hotspot and Internet access
- Remote Access
- Bluetooth compatible
- Ethernet interface
- UHF and 900 MHz radio options
- *Intuicom Remote Support* available
- Real-time cellular strength indicator
- Put your base station corrections on the Internet
- Compatible on all major cellular networks
- Works with all major GNSS manufacturers

To learn more about the RTK Bridge-X and how it can make you more productive, contact us at: rtk@intuicom.com or call 303.449-4330.

RTK Bridge-X

Easy Access to Network RTK Corrections, WiFi Devices, and the Internet



RTK Bridge-X X140044

Status

Configuration

Profiles

WiFi

Cellular

Bluetooth

Radio

Advanced

DynDNS

Port Forwarding

Maintenance

Security

Update

Reboot

Help

Device Status:

Serial #: X140044

Firmware Version: 1.0.0 DEV Thu Jul 31 09:13:02 MDT 2014

Ethernet MAC: 00:1D:E3:00:00:2B

WiFi MAC: 00:1D:E3:00:00:2C

Internal Temperature: 37 °C

Input Voltage: 11.62 V

Modem Type: HSPA+

Radio Type: Not installed

Uptime: 0 days, 6 hours, 16 minutes, 35 seconds

Current LAT/LON: 40.063759, -105.203217 [map](#)

Modem Status:

RSSI: -93 dBm

Registration: Registered, Home Network

Carrier: AT&T

Connection: 3G

IMEI: 351579051945418

MDN/Phone Number: 13006476449

Internet Connection Status:

Internet Connection: Connected (6 hrs, 17 min, 56 sec)

Current Internet IP: 169.130.63.252

Last Connect: Thu Aug 7 17:53:17 UTC 2014

Last Disconnect: Unavailable

Connections: 1

Operational Status:

NTRIP Status: Established NTRIP connection with (intuicom.selfip.com)

NTRIP Data Rate: 119 bytes/sec

UI Status: Resume monitoring UI input

The RTK Bridge-X features access through any Web browser

The Intuicom Remote Support option allows Intuicom to remotely optimize and troubleshoot your RTK Bridge-X

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Current Profile Configuration:

Profile	Mode	Hostname	Port	Mountpoint	Username	Password	GPS Source	Static Location Dec Lat, Dec Lon	Input Data Source	Serial Port Baud
1	NTRIP Client	farmnetwork.selfip.com	30021	automax	farmer	joe	Static	40.01, -105.12	-	38400
2	NTRIP Client	www.vrsnow.us	2400	TVN_AG_GNSS	JOEER	INTUICOM	Internal	40.01, -105.12	-	38400
3	NTRIP Client	co.smartantenna.us	10000	RTCM_3_MAX	SJOBS14	INTUICOM	Internal	40.01, -105.12	-	115200
4	Base Socket	-	30020	-	-	-	-	-	Radio	115200

Active Profile: 3

Change Profile Configuration:

Profile	Mode	Hostname	Port	Mountpoint	Username	Password	GPS Source	Static Location Dec Lat, Dec Lon	Input Data Source	Serial Port Baud
1	NTRIP	farmnetwork.selfip.com	30021	automax	farmer	joe	Static	40.01, -105.12	Serial	38400

Saved

Attempt NTRIP SOURCEABLE Access for Profile: 1

GENERAL SPECIFICATIONS			
Enclosure	Ruggedized aluminum		
Size	167mm x 153mm x 53mm		
Weight	Approx. 1049 grams (2lbs 5oz)		
Operating Temperature	-30°C to +70°C		
Input Voltage	12 to 36 Volt working range		
Power (@12V DC)	3-8W typical depending on configuration*		
CELLULAR SPECIFICATIONS			
Verizon: EVDO Rev. A/CDMA 2000/1XRTT	Frequencies: 800/1900 MHz		
SIM-based: HSPA 7.2/UMTS/EDGE/GPRS	Frequencies: 850/900/1700(AWS)/1800/1900/2100 MHz		
WiFi			
Frequency	2.4 GHz		
Protocols	802.11 b/g		
BLUETOOTH SPECIFICATIONS			
v 2.1 & 4.0 edr. Power class 1.5			
EMBEDDED WIRELESS TRANSCEIVER			
Frequency Range	902-928 MHz	403-470 MHz (UHF)	
Transmitter	Transmit Power	100 mW to 1 Watt	100 mW up to 2W-model dependent
	Link Rate/Modulation	115 Kbps / GFSK	4-Level FSK: 9600, 19,200 bps
			GMSK: 4800, 8000, 9600, 19,200 bps
	Channel Spacing	230 KHz	12.5 / 25 KHz
	Protocols	Point-to-Multipoint	Transparent EOT/EOC/FST, Packet-switched, TRIM-MARK™, TRIMTALK™, SATEL®
Error Correction	32 bit CRC	Forward Error Correction	
	Retransmit on error		

NOTE: Specifications subject to change without notice. Intuicom and RTK Bridge are registered trademarks of Intuicom, Inc. All other trademarks are the property of their respective owners. Revision 05-14

* Power consumption dependent on coverage and technology in use

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