

4G LTE RTK Bridge®-X

NEW & IMPROVED

Faster Upload/Download Speeds, Enhanced Connectivity, Expanded Coverage, and Configuration without Cables



The 4G LTE RTK Bridge®-X now supports the faster upload/download speeds, the expanded coverage and enhanced connectivity available from 4G LTE providers including Verizon, AT&T, and T-Mobile. As its predecessors before, the new 4G LTE RTK Bridge®-X continues to deliver a level of connectivity that others simply cannot match. Supporting all leading precision guidance systems and GNSS manufacturers, the 4G LTE RTK Bridge®-X further distances itself from less robust modems by allowing users to remotely access, configure and manage their device without being connected by a physical cable—an *industry exclusive!* With the 4G LTE RTK Bridge®-X, productivity is taken to a whole new level.

CONFIGURE WITHOUT CABLES

Wireless accessibility gives you the freedom and control to access, configure, and manage your device wherever you are—in the field or in the shop—without cables.

FASTER WIFI AND INTERNET

With its enhanced 4G LTE connectivity, users can quickly access the Internet from all device types (smart phones, tablets, or laptops) to check or send emails, transfer files, or connect to Cloud services—directly from their RTK Bridge®-X.

REMOTE CLOUD-BASED SUPPORT

Intuicom support experts can configure and troubleshoot your RTK Bridge®-X remotely and instantly—no need to leave the field to resolve any issues! (USA only)

900 MHz, UHF AND GPS

Internal, industry-standard, license-free 900 MHz or UHF transceivers are also available to meet any working environment. Internal GPS provides maximum flexibility and positioning.

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.

NEW FEATURES

- **Cross-Carrier Compatibility:** All carriers now served by a single model
- **Change carriers on the fly** via web interface
- **Now supporting more cellular bands** than ever

KEY FEATURES

- **Faster upload/download speeds** than 3G devices
- **Quicker access to Real-Time Networks**
- **Improved WiFi Hotspot and Internet access**
- **Configure without cables**
- **UHF and 900 MHz radio options**
- **Real-time cellular strength indicator**
- **Host base station corrections on the Internet**
- **Ethernet interface**
- **Compatible 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.

Intuicom®
Wireless Solutions

4G LTE RTK Bridge®-X

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



RTK Bridge®-X

Status

Configuration

- Profiles
- WiFi
- Cellular
- Radio

Advanced

- Access Control
- Internet
- DynDNS
- Port Forwarding

Maintenance

- Security
- Update
- Reboot
- Help

Device Status:

Serial #	X170763
Firmware Version	3.3.1
Ethernet MAC	00:1D:E3:00:25:35
WiFi MAC	00:1D:E3:00:25:36
Internal Temperature	35 °C / 95 °F
Cell Modem Type	Verizon LTE (B)
Radio Type	900 MHz FHSS - (D) Standard 902-928
Uptime	13 days, 3 hours, 46 minutes, 49 seconds
Current LAT/LON	0.000000,0.000000

Cell Modem Status:

RSSI	-73 dBm
Registration	Registered, Home Network
Carrier	Verizon Wireless
Connection	4G LTE
IMEI	35034495178571
MDN/Phone Number	+16627851088

Cell Modem Internet Connection Status:

Internet Connection	Connected (315 hrs, 46 min, 24 sec)
Current Internet IP	166.166.174.89
Last Connect	Thu Nov 21 18:23:05 UTC 2024
Last Disconnect	Unavailable
# Conn/Total	1 / 1

Operational Status:

NTRIP Status	Established NTRIP1 connection with (intuicom1.selfip.com, 30020)
NTRIP Data Rate	228 bytes/sec
NTRIP Profile Detail	Profile 1 is connected Profile 1 connected for 0:03:35 Profile 1 has had 1 connection this session Profile 1 has had 0 failed connection attempts this session
UI Status	Monitoring UI input

The RTK Bridge®-X features access through any Web browser.

RTK Bridge®-X

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	intuicom1.selfip.com	30020	automax	test	test	Internal	40.01, -105.12	-	38400
2	NTRIP Client	intuicom1.selfip.com	30020	automax	test	test	Static	40.01, -105.12	-	38400
3	NTRIP Client	intuicom1.selfip.com	30020	automax	test	test	Static	40.01, -105.12	-	38400
4	NTRIP Client	intuicom1.selfip.com	30020	automax	test	test	Static	40.01, -105.12	-	38400

Active Profile: 1 [SAVE] Enable Dual Profiles

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	intuicom1.selfip.com	30020	automax	test	test	Internal	40.01, -105.12	Serial	38400

Enable UDP output broadcast for all Profiles on Port 15000

Attempt NTRIP SOURCEABLE Access for Profile: 1 [Access SOURCEABLE]

The optional Intuicom Remote Support allows Intuicom to remotely optimize and troubleshoot your RTK Bridge®-X, saving you precious time in the field.

GENERAL SPECIFICATIONS			
Enclosure (Ingress Protection)	Ruggedized aluminum (IP66 Rated)		
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			
LTE Frequencies: B2(1900), B4(AWS1700), B5(850), B12(700a), B13(700c)	B14(700FirstNet), B66(AWS-3 1700), B71 (600)		
3G Frequencies B2(1900), B4(AWS1700), B5(850)	NOTE: 3G bands are not available on Verizon		
WiFi			
Frequency	2.4 GHz		
Protocols	802.11 b/g		
EMBEDDED WIRELESS TRANSCIVER			
Transmitter	Frequency Range	902-928 MHz	403-470 MHz (UHF)
	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 Retransmit on error	Forward Error Correction

NOTE: Specifications subject to change without notice.
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* Power consumption dependent on coverage and technology in use

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