

L-Band Satellite RTCM OEM

Introducing the first device in OEM format capable of providing corrections in standard RTCM format directly from L-Band satellites. This means that it is compatible with ANY RTK receiver from ANY brand and you don't need anything else!

Includes:

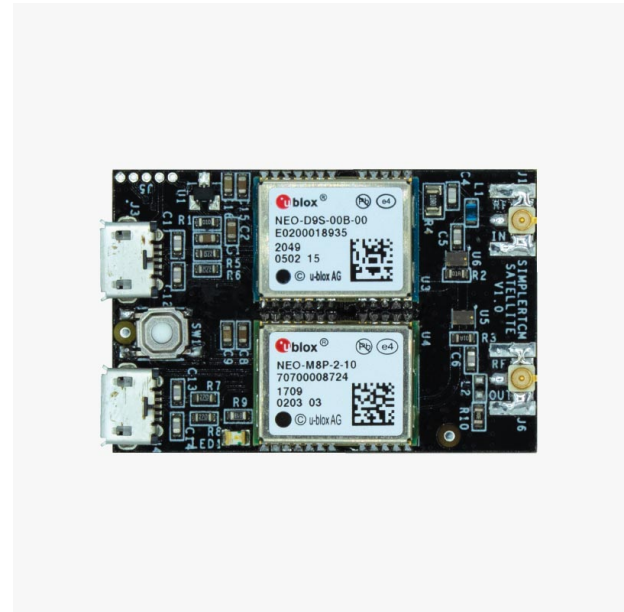
- L-Band Satellite RTCM OEM board
- USB-C programming carrier board



More info about the product!

L-Band Satellite RTCM OEM SKU is: AS-XBEE-LBAND-D9SRTCM-2UFL-00

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.



Description

L-Band Satellite RTCM OEM is a cost-effective solution to integrate in your project that provides you reliable correction data in RTCM format in all area covered by L-Band PointPerfect service. No need of internet connection or a base station.

If you are in Europe or Continental North America, L-Band Satellite RTCM OEM enables your RTK receiver with 2cm-4cm CEP accuracy without any additional hardware even in remote areas.

Once you get the u-blox PointPerfect approval and a PointPerfect subscription, just integrate the L-band RTCM OEM receiver onto your product, upload the credentials and start enjoying high precision GNSS.

SSR (State Space Representations) technology, also called PPP-RTK, provides RTK-like performance over large areas for your RTK receiver. This correction data is provided via L6 band (L-band).

Don't want to spend time on integration? We have ready-to-use Box version:
<https://www.ardusimple.com/product/l-band-satellite-rtcm-box/>

Good to know:

- This product provides following RTCM messages: 1005, 1033, 1074, 1084, 1230. If your receiver needs other messages, just contact us!
- This product uses PointPerfect service via L6 band (L-band), with accuracy of 2-4 centimeter
- This product doesn't include PointPerfect subscription (L-band plans start at 30\$ per device per month, we will help you on the activation process)
- This product provides correction data for GPS and Glonass
- This product doesn't include L-band antenna, which is required to use this product
- This product has an uFL output so you can share the GNSS antenna signal with your RTK receiver.
- The PointPerfect broadcast provides uniform coverage on a continental scale in Europe, the contiguous USA and southern Canada including up to 12 nautical miles (roughly 22 kilometers) off coastlines.



Image Gallery



Pinout

TOP VIEW



Description	Name	#	#	Name	Description
2.7-3.6V with up to 0.5A peak	VCC	1	20		
RTCM out VCC level	TX	2	19		
Feature disabled	RX	3	18		
		4	17		
Leave open for always ON	RESET	5	16		
5V to enable USB	V_USB	6	15		
	USB+	7	14		
	USB-	8	13		
		9	12		
Must connect to GND	GND	10	11	GND	Must connect to GND

Documentation

User Guide	https://www.ardusimple.com/rctm-box-hookup-guide/
Download CAD model	https://www.ardusimple.com/wp-content/uploads/2024/09/AS-XBEE-LBAND-D9SRTCM-2UFL-00.step

L-Band Satellite RTCM OEM includes free basic technical support. Contact info@ardusimple.com for more information.

Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.