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!
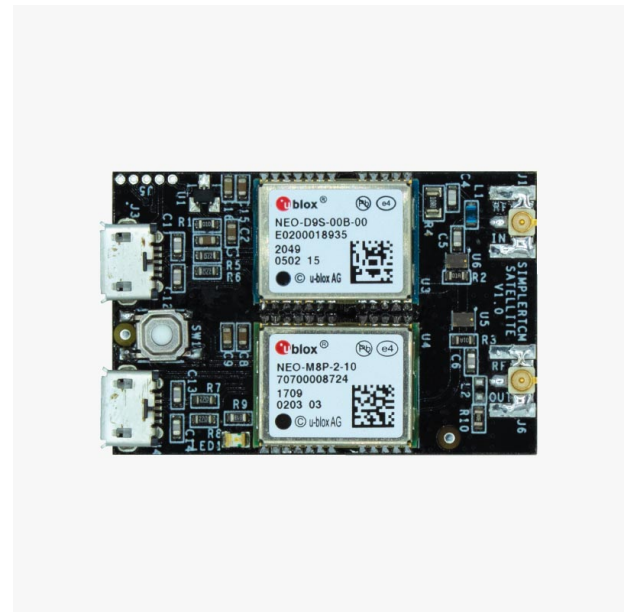
Includes:
– L-Band Satellite RTCM OEM board
– USB-C programming carrier board

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.

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Page 1 of 5

Description

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Page 2 of 5

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 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 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 35$ per device per month) you can contact u-blox directly if you want to open an account with them or purchase a 1 year license directly from ArduSimple
– This product supports monthly L-Band keys and also 1 year L-Band keys
– 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 L-Band coverage on a continental scale in contiguous USA and southern Canada including up to 12 nautical miles (roughly 22 kilometers) off coastlines.

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Page 3 of 5

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Page 4 of 5

Pinout

TOP VIEW

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

#	Name	Description
20		
19		
18		
17		
16		
15		
14		
13		
12		
11	GND	Must connect to GND

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

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Page 5 of 5