

u-locateEmbed direction finding software

Open-source licenses

Application note

Abstract

This document contains the licensing terms for third-party, open-source software included in u-blox Direction Finding modules.

Document information

Title	u-locate	
Subtitle	u-locateEmbed direction finding open-source licenses	
Document type	Application note	
Document number	UBX-21019749	
Revision and date	R04	7-Feb-2024
Disclosure Restriction	C1 - Public	

This document applies to the following products:

Product name	Software
NINA-B410-40B	u-locateEmbed
NINA-B411-40B	
ANT-B10	
XPLR-AOA-1	
XPLR-AOA-2	
XPLR-AOA-3	
ANT-B11	

 u-locateEmbed was previously named u-connectLocate.

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1 Introduction

This document contains the licensing terms and conditions for third-party, open-source software included in u-blox Direction Finding modules.

The following symbols are used to highlight important information within the document:



An index finger points out key information pertaining to integration and performance.



A warning symbol indicates actions that could negatively impact or damage the module.

2 Open-source software in u-blox Direction Finding modules

The third-party licensing terms described in this chapter are applicable for all customers that purchase one or more of the u-blox products shown in the [Document applicability table](#).


Although all open-source, software licenses associated with these products is free of charge, the customer is solely responsible for adhering to the third-party licensing terms described in this chapter.

2.1 Apache license 2.0

Unless explicitly stated to the contrary, all packages produced by the ASF (including those associated with the u-blox products featured in the [Document applicability table](#) and referenced here) are implicitly licensed under the [Apache License, version 2.0, January 2004](#).

References

- [sdk-zephyr](#)
- [zephyrproject-rtos](#)
- [ARM CMSIS_5](#)
- [u-blox ubxlib](#)
- [sdk-mcuboot](#)

 sdk-mcuboot bundles tinycrypt, which is available under the "3-clause BSD" license. See also [Tinycrypt](#).

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2.2 sdk-nrf

Reference:

<https://github.com/nrfconnect/sdk-nrf/blob/fd434a199b75ba8801909a3841a551d1331d6965/LICENSE>

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2.1 sdk-nrfxlib

Reference:

<https://github.com/nrfconnect/sdk-nrfxlib/blob/cea8a7a9ff2fdaef8b8932e1f097f1edd58e2620/LICENSE>

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2.2 Poly1305-donna

Reference:

<https://github.com/floodyberry/poly1305-donna/blob/e6ad6e091d30d7f4ec2d4f978be1fcfbce72781/README.md#license>

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2.3 Tinycrypt

Reference:

<https://github.com/intel/tinycrypt/blob/5969b0e0f572a15ed95dc272e57104faeb5eb6b0/LICENSE>

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TinyCrypt Cryptographic Library

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<https://github.com/kmackay/micro-ecc>


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Related documents

- [1] NINA-B41 series data sheet, [UBX-20045962](#)
- [2] XPLR-AOA explorer kits, user guide, [UBX-21004616](#)
- [3] ANT-B10 antenna board, product summary, [UBX-21047856](#)
- [4] XPLR-AOA-3 user guide, [UBX-22006906](#)
- [5] ANT-B11 antenna board, product summary, [UBX-22019612](#)

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Revision history

Revision	Date	Name	Comments
R01	16-Jun-2021	jkra	Initial release
R02	01-Apr-2022	mlgu	Added ANT-B10 antenna board to the document scope, as described in the Applicability table.
R03	07-Jun-2023	jkra	Added ANT-B11 antenna board to the document scope, as described in the Applicability table.
R04	07-Feb-2024	mape	Renamed u-connectLocate to u-locateEmbed.

Contact

u-blox AG

Address: Zürcherstrasse 68
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