

Information note

Topic **NORA-B12 Bluetooth low energy modules release to Initial Production**

UBX-23008587 C1-Public

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1 Affected products

Product name	Ordering code	Type number	Software	Remarks
NORA-B120	NORA-B120-00B	NORA-B120-00B-00	N/A – Open CPU	
NORA-B121	NORA-B121-00B	NORA-B121-00B-00	N/A – Open CPU	
NORA-B126	NORA-B126-00B	NORA-B126-00B-00	N/A – Open CPU	
EVK-NORA-B120	EVK-NORA-B120	EVK-NORA-B120-00	N/A – Open CPU	
EVK-NORA-B126	EVK-NORA-B126	EVK-NORA-B126-00	N/A – Open CPU	

2 Type

- | | |
|---|---|
| <input checked="" type="checkbox"/> Product status change | <input checked="" type="checkbox"/> Documentation update |
| <input type="checkbox"/> Hardware/component change | <input checked="" type="checkbox"/> Certification information |
| <input type="checkbox"/> Software update | <input type="checkbox"/> Security advisory |
| <input type="checkbox"/> Label change | <input type="checkbox"/> Other |

3 Description

NORA-B12 modules are variants of the NORA-B1 module series that include a PA/LNA (FEM) to increase the maximum output power up to +18 dBm and improve the receiver sensitivity to -109 dBm for extreme range and coverage. NORA-B12 modules have now reached Initial Production status.

3.1 Product status change

The NORA-B12 Bluetooth low energy modules are now released for Initial Production. Final specifications for the product have been set, the production system is fully released, and main country certifications have now been completed.

3.2 Certification and qualification

NORA-B12 modules are certified/compliant according to the regulatory requirements in:

- US (FCC/CFR 47 part 15, unlicensed modular transmitter approval)
- Canada (ISED)
- Europe (RED)
- Great Britain (UKCA)
- Japan (MIC)
- Brazil (ANATEL)

Certifications in progress include:

- Taiwan (NCC)
- South Korea (KC)
- Australia/New Zealand (ACMA/RCM)
- South Africa (ICASA)

The products have been qualified in accordance with the Bluetooth Core Specification, version 5.3.

For further information about the completed certifications and the progress of additional country certifications, see the data sheet [\[2\]](#) and system integration manual [\[3\]](#).

3.3 Documentation updates

The documentation supporting the NORA-B12 modules has now been updated to reflect the final module specifications. Specifically, note that the specification for the module thickness for NORA-B120, NORA-B121 and NORA-B126 has changed from 1.7 ± 0.1 mm to 1.8 ± 0.1 mm.

The EU Declaration of conformity (EU DoC) [\[5\]](#) and UKCA Declaration of conformity (UKCA DoC) [\[6\]](#) have also been published.

4 Schedule

This information is effective as of August 17th, 2023. All modules shipped after the effective date have Initial Production status.

5 Customer impact and recommended action

Customers are advised to review the updated documentation. Specifically note the module thickness specification being changed from 1.7 ± 0.1 mm to 1.8 ± 0.1 mm.

Customers that have used the NORA-B126 or EVK-NORA-B126 Engineering Samples should specifically note that the radio tuning of the module has since been slightly updated to optimize radio performance.

6 Related documentation

- [1] NORA-B1 product summary, [UBX-20031981](#)
- [2] NORA-B1 data sheet, [UBX-20027119](#)
- [3] NORA-B1 system integration manual, [UBX-20027617](#)
- [4] EVK-NORA-B1 user guide, [UBX-20030319](#)
- [5] NORA-B12 EU Declaration of conformity (EU DoC), [UBX-23007500](#)
- [6] NORA-B12 UKCA Declaration of conformity (UKCA DoC), [UBX-23007501](#)