

Information Note

Topic NINA-B2/W10/W13 - Supply voltage specification update
UBX-19034831

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1 Affected Products

Product Name	Order Code	Type No	Software	Remarks
NINA-B221	NINA-B221-00B	NINA-B221-00B-00	1.0.0	
NINA-B222	NINA-B222-00B	NINA-B222-00B-00	1.0.0	
NINA-W101	NINA-W101-00B	NINA-W101-00B-00	N/A	
NINA-W102	NINA-W102-00B	NINA-W102-00B-00	N/A	
NINA-W131	NINA-W131-00B	NINA-W131-00B-00	1.0.1	
NINA-W132	NINA-W132-00B	NINA-W132-00B-00	1.0.1	
NINA-W131	NINA-W131-01B	NINA-W131-01B-00	2.0.0	
NINA-W132	NINA-W132-01B	NINA-W132-01B-00	2.0.0	

2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
 - NINA-B2 Data Sheet (UBX-18006649)
 - NINA-W10 Data Sheet (UBX-17065507)
 - NINA-W13 Data Sheet (UBX-17006694)
- Others

3 Description of Change

The specified absolute maximum ratings and the operating ranges for the VCC and VCC_IO supply voltages have been updated to ensure compliance with the ambient temperature range.

Previous specification:

Symbol	Description	Condition	Min	Max	Unit
VCC/ VCC_IO	Module supply voltage	Input DC voltage at VCC and VCC_IO pins	-0.3	3.9	V

Symbol	Parameter	Min	Typ	Max	Unit
VCC	Input supply voltage	3.0	3.3	3.6	V
VCC_IO	I/O reference voltage	3.0	3.3	3.6	V

Updated specification:

Symbol	Description	Condition	Min	Max	Unit
VCC/ VCC_IO	Module supply voltage	Input DC voltage at VCC and VCC_IO pins	-0.3	3.6	V

Symbol	Parameter	Condition	Min	Typ	Max	Unit
VCC	Input supply voltage	Ambient temperature -20 °C to +85 °C	3.00	3.30	3.60	V
		Ambient temperature -40 °C to +85 °C	3.00	3.30	3.45	V
VCC_IO	I/O reference voltage	Ambient temperature -20 °C to +85 °C	3.00	3.30	3.60	V
		Ambient temperature -40 °C to +85 °C	3.00	3.30	3.45	V

4 Schedule

The updated data sheets are available from the u-blox website.

5 Customer Impact and Recommended Action

Customers are recommended to review the updated data sheets and ensure that the power supply design in their application is aligned with the updated specification.

6 Reference Documents

- [1] [NINA-B2 Data Sheet \(UBX-18006649\)](#)
- [2] [NINA-W10 Data Sheet \(UBX-17065507\)](#)
- [3] [NINA-W13 Data Sheet \(UBX-17006694\)](#)