

# EU DECLARATION OF CONFORMITY


To whom it may concern:

Hereby, u-blox AG declares under its sole responsibility that the following product – NINA-W10 stand-alone multiradio modules – comply with the essential requirements and other relevant provisions of Radio Equipment Directive (RED) 2014/53/EU and Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU.

Technology	Product name	Hardware release	Software release
Wi-Fi and Bluetooth dual-mode (BR/EDR and Low Energy)	NINA-W101	05 or later	Espressif ESP32 SDK2.1
	NINA-W102		

Essential Requirements	
Radio Equipment Directive 2014/53/EU	Standards
<b>Safety &amp; Health</b> (Article 3.1a)	IEC 60950-1:2005 (2 <sup>nd</sup> Edition) + A1:2009 + A2:2013 IEC 62311:2007 / EN 62311:2008
<b>EMC</b> (Article 3.1b)	EN 301 489-1 V2.1.1 EN 301 489-17 V2.2.1 IEC 60601-1-2:2014 (Medical Electrical Equipment)
<b>Radio Spectrum Efficiency</b> (Article 3.2)	EN 300 328 V2.1.1
Essential Requirements	
RoHS Directive 2011/65/EU	Standards
<b>Prevention</b> (Article 4.1)	EN 50581:2012

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Signature:	

# List of antennas

Antenna name	Manufacturer	Comment	Gain	
			2.4 GHz	5 GHz
OnBoard SMD 2400	ProAnt	SMD PIFA antenna on NINA-W10	+3	<3
FlatWhip-2400	ProAnt	Monopole, RSMA	+3	-
InSide-2400	ProAnt	Patch, 10 cm cable/U.FL	+3	-
InSide-WLAN	ProAnt	Patch, dual band 10 cm cable/U.FL	+3	+3
Outside-2400	ProAnt	Patch, 7 cm cable/U.FL 10 cm cable/U.FL 25 cm cable/U.FL	+3	-
Ex-IT 2400 - SMA 28-001 - RP-SMA 28-001 - MHF 28-001	ProAnt	Monopole, SMA RSMA 10 cm cable/U.FL	+3	-
Ex-IT WLAN - SMA - RP-SMA - MHF	ProAnt	Monopole, dual band SMA RSMA 10 cm cable/U.FL	+3	+3
Ex-IT 2400 - MHF 70-001	ProAnt	Monopole, 10 cm cable/U.FL	+3	-
Ex-IT 2400 - SMA 70-002 - RP-SMA 70-002	ProAnt	Monopole, SMA RSMA	+3	-
InSide-WLAN Square	ProAnt	Patch, dual band 10 cm cable/U.FL	+3	+3