



Digital Matter
 The Oval, Kingsmead Block
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 Bryanston, 2021

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P.O Box 70732
 Bryanston, 2021

EU Declaration of Conformity

We, Digital Matter (incorporated in Republic of Australia) External profit company, Trading as Digital Matter Embedded (South Africa),

of, Kingsmead building, cnr Meadowbrook and Sloane Rd, Bryanston, South Africa, 2021,

Declare under our sole responsibility that the products:

- **Falcon (2G)**
- **Falcon (4G)**

are in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive (RED) 2014/53/EU and Restriction of the use of certain hazardous substances (RoHS) Directive 2011/65/EU.

Technical Specifications	Product Code	
	Falcon (2G)	Falcon (4G)
Cellular Modem:	u-blox SARA G350	u-blox SARA R410M-02B
Cellular Modem Bands and Power	<u>2G Bands:</u> 4 bands: 850/900/1800/1900 MHz GSM/GPRS Quad Band GPRS class 10. - Class 4 (2W, 33dBm) @ GSM 850/900 - Class 1 (1W, 30dBm) @ GSM 1800/1900	<u>LTE Bands</u> All Class 3 (<0.25W, 23dBm) Configurable 13 Bands (MHz): 1 (2100), 2 (1900), 3 (1800), 4 (1700), 5 (850), 8 (900), 12 (700), 18 (850), 19 (850), 13 (750), 20 (800), 28 (700), 39 (1900)
Cellular Modem Operating Mode:	GSM/GPRS	GSM/GPRS, LTE category M1/NB-IoT
GNSS Receiver:	u-blox EVA-M8Q	u-blox EVA-M8Q
GNSS Bands:	GPS/QZSS L1C/A, GLONASS L1OF, BeiDou B1I, Galileo E1B/C, SBAS L1C/A: WAAS, EGNOS, MSAS, GAGAN	GPS/QZSS L1C/A, GLONASS L1OF, BeiDou B1I, Galileo E1B/C, SBAS L1C/A: WAAS, EGNOS, MSAS, GAGAN
Power Supply:	Replaceable 3 x LTC AA Batteries & <= 16V External	Replaceable 3 x LTC AA Batteries & <= 16V External
Firmware	V1.0	V1.0
Clarification of module function:	GNSS provided by u-blox EVA-M8Q Cellular communication provided by u-blox SARA G350	GNSS provided by u-blox EVA-M8Q Cellular communication provided by u-blox SARA R410/R412



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Essential Requirements – Radio Equipment Directive 2014/53/EU	
Health and Safety (Article 3.1a)	EN 60950-1:2015 + A1:2009 + A2:2013 applies to safety of information technology equipment EN 62311:2008 applies to RF exposure
EMC (Article 3.1b)	EN 301 489-1: V2.2.0 EMC standard for radio equipment and services EN 301 489-3: V2.1.1 Specific conditions for short-range devices operating on frequencies between 9kHz and 40GHz EN 301 489-19: V2.1.0 Specific conditions for GNSS receivers operating in the RNSS band providing positioning, navigation and timing data EN 301 489-52: V1.1.0 Specific conditions for Cellular Communication
Radio Spectrum Efficiency (Article 3.2)	EN 301 511: V12.5.1 and V9.0.2 applies to Cellular module GSM900/GSM1800 EN 301 908-1: V11.1.1 applies to Cellular modem common requirements EN 301 908-13 V11.1.2 applies to E-UTRA use equipment EN 303 413: V1.1.1 applies to GNSS Receiver.
Essential Requirements (RoHS) Prevention Article 4.1	EN 50581: 2012 applies to hazardous materials
Article 10(10) and 10(2)	No restrictions on use in any EU member states.

The conformity assessment procedure referred in Article 17 and detailed in Annex III of the Directive 2014/53/EU has been followed all technical documentation relevant to the above equipment will be held at:

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