



Digital Matter
 The Oval, Kingsmead Block
 Meadowbrook Street
 Cnr Sloane Street
 Bryanston, 2021

Tel: +27 11 540 9260
 Fax: +27 11 463 5221

www.digitalmatter.com

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:

- **Oyster 2G**
- **Oyster 3G EUD**

Are in compliance with the essential requirements and other relevant provisions of

- Radio Equipment Directive (RED) 2014/53/EU

Technical Specifications	Product Code	
	Oyster-2G	Oyster-3G-EUD
Cellular Modem:	Telit GE910 Quad v3	Telit HE910 EUD
Cellular Modem Bands and Power	4 bands: 850/900/1800/1900 MHz GSM/GPRS Quad Band GPRS class 10. Output power: - Class 4 (2W, 33dBm) @ GSM 850/900 - Class 1 (1W, 30dBm) @ GSM 1800/1900	4 bands: 850/900/1800/1900 MHz GSM/GPRS/EDGE Quad band GPRS and EDGE class 33 5 bands: 850/900/1800/1900 UMTS/HSPA - Class 4 (2W, 33dBm) @ GSM 850/900 - Class 1 (1W, 30dBm) @ GSM 1800/1900 - Class 3 (0.25W, 24dBm) @ UMTS - Class E2 (0.5W, 27dBm) @ EDGE 850/900 - Class E2 (0.4W, 26dBm) @ EDGE 1800/1900
Cellular Modem Operating Mode:	GSM/GPRS	GSM/GPRS/EDGE/UMTS/HSPA
GNSS Receiver:	u-blox MAX-8Q	u-blox MAX-8Q
GNSS Bands:	GPS/QZSS L1 C/A; GLONASS L1 FDMA; SBAS: WAAS, EGNOS, MSASA	GPS/QZSS L1 C/A; GLONASS L1 FDMA; SBAS: WAAS, EGNOS, MSASA
Power Supply:	Replaceable 3 x 1.5V AA cells, no external power	Replaceable 3 x 1.5V AA cells, no external power
Firmware	V1.0	V1.0
Clarification of module function:	GNSS provided by u-blox MAX-8Q Cellular communication provided by Telit GE910 Quad v3	GNSS provided by u-blox MAX-8Q Cellular communication provided by Telit HE910 EUD

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, including electrical business equipment
EMC (Article 3.1b)	EN 301-489-1: V2.2.0 (2017-03) EMC standard for radio equipment and services EN 301-489-3: V2.1.1 (2017003) Specific conditions for short-range devices operating on frequencies between 9kHz and 246GHz EN 301-489-19: V2.1.0 (2017-03) Specific c conditions for GNSS receivers operating in the RNSS band providing positioning, navigation and timing data EN 301-489-52: V1.1.0 (201-11) 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 (2016-07) applies to Cellular Modem WCDMA DDD I and FDD VIII EN 303-413: V1.1.1 (2017-06) applies to GNSS Receiver. EN 301 908-1 V11.1.1 (2016-07). Cited in the RED Official Journal with expiry 2019-02-28. EN 301 908-2 V11.1.1 (2016-07). Cited in the RED Official Journal with expiry 2019-02-28.



Digital Matter
The Oval, Kingsmead Block
Meadowbrook Street
Cnr Sloane Street
Bryanston, 2021

Tel: +27 11 540 9260
Fax: +27 11 463 5221

www.digitalmatter.com

P.O Box 70732
Bryanston, 2021

Other – Article 3.1(a)	EN 62311:2008
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 and EU-type examination certificate (TEC) has been issued after a review by the following Notified Body:

**TUV SUD BABT, Octagon House, Concorde Way, Fareham,
Hampshire, PO15 5RL, United Kingdom**

Identification mark: **CE 0168** Type Examination Certificate No: **BABT-RED000614 i01**

The technical documentation relevant to the above equipment will be held at:

*Digital Matter,
The Oval, Kingsmead Block,
Meadowbrook Street, Cnr Sloane Street,
Bryanston, 2021,
South Africa.
www.digitalmatter.com
Tel: +27 11 540 9273*