EU Declaration of Conformity

Directive 2014/30/EU (electromagnetic compatibility) and Directive 2011/65/EU (RoHS)

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This declaration is issued in English and in French. The English text is the original; translations into other languages are available on request.

1. Apparatus model / product	OP041-1V8, Robust Ethernet FMC 1.8V, hardware revision Rev E since 2020-08-25, serial numbers 410400 to 410929
2. Name and address of the manufacturer	Opsero Electronic Design Inc., 8890 rue d'Urfé, Québec, QC G1G 6J5, Canada. jjohnson@opsero.com, +1 581-628-9332
3. Responsibility	This declaration of conformity is issued under the sole responsibility of the manufacturer.
4. Object of the declaration	Industrial-grade 4-port Gigabit Ethernet FPGA Mezzanine Card, RGMII interfaces, 1.8 V I/O. Identified by the part number and the serial number on the label affixed to the board; the serial numbers covered are stated in item 1.

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation

Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, as amended by Commission Delegated Directive (EU) 2015/863

6. References to the relevant harmonised standards used, including the date of the standard, or references to the other technical specifications in relation to which conformity is declared

Reference	Applied	Scope of application
EN 55032:2015 + A11:2020	in part	Radiated emissions 30 MHz to 2 GHz and mains-port conducted emissions, Class A, by similarity to OP041-2V5 (Intertek report 18070516HKG-002). Telecommunication-port conducted emissions not measured; assessed in EMCA-OP041-1V8-20261109
EN 55035:2017 + A11:2020	in part	Electrostatic discharge, radiated RF field, electrical fast transients on power and telecommunication ports, conducted RF on power and telecommunication ports, surges on the power port, voltage dips and interruptions, by similarity to OP041-2V5 (Intertek report 18070516HKG-002). Surges on telecommunication ports not applied (indoor network connections only); assessed in EMCA-OP041-1V8-20261109
EN IEC 63000:2018	in full	Technical documentation for the assessment of the product with respect to the restriction of hazardous substances

7. Notified body

Not applicable. Conformity is assessed under Annex II (Module A, internal production control) of Directive 2014/30/EU; no notified body was involved.

8. Additional information

The Robust Ethernet FMC 1.8V is an FPGA Mezzanine Card, a sub-assembly intended for incorporation into apparatus by professional integrators. It has no standalone function: it operates only when mounted on a compatible FMC carrier and driven by an FPGA design created by the integrator. Opsero has assessed the card's electromagnetic compatibility under the reference conditions described in its EMC integration notes and declares conformity on that basis. The integrator is responsible for the conformity of the apparatus into which the card is incorporated, including its enclosure, cabling, power supply and firmware. This is Class A equipment: in a residential environment it may cause radio interference, in which case the user may be required to take adequate measures.

Conformity with Directive 2014/30/EU is declared on the basis of the manufacturer's electromagnetic compatibility assessment EMCA-OP041-1V8-20261109 under Annex II point 2, which defines the representative operating conditions and records the measurements and the engineering analysis relied upon. Emission class A. The harmonised standard references above were checked against Commission Implementing Decision (EU) 2019/1326 as consolidated on 10 June 2022, confirmed current in the Official Journal of the European Union on 11 November 2026.

Conformity with Directive 2011/65/EU is declared on the basis of technical documentation prepared in accordance with EN IEC 63000:2018 and summarised in Material Compliance Declaration MCD-OP041-1V8-20260910. The product is declared under Annex I category 3 (IT and telecommunications equipment); for a finished product incorporating it, the category of that product governs. The following Annex III exemptions are relied upon: 6(c), Copper alloy containing up to 4 % lead by weight, valid until 30 June 2027; 7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, or in a glass or ceramic matrix compound, valid until 30 June 2027. Under Article 5(5) of the Directive an exemption for which a renewal application has been made in due time remains valid until the Commission decides on it.

Signed for and on behalf of Opsero Electronic Design Inc.

Jeffrey Johnson
Electronically signed by typed name

Jeffrey Johnson, President
Québec, 11 November 2026