



NOTIFIED BODY
MODULE B: EU TYPE EXAMINATION CERTIFICATE
(For Council Directive 2014/53/EU)

THIS CERTIFICATE IS ISSUED TO

M2I Corporation
M2I Bldg., 35-11, Jeonpa-ro 24beon-gil,
Manan-gu, Anyang-si, Gyeonggi-do, 430-857,
Korea

TO STATE THAT THE EQUIPMENT KNOWN AS

M2I Corporation TOPRH0700WD-W

Conforms (following an evaluation of its associated Technical Documentation and subject to any restrictions stated in the attached Annex) with the essential requirements of Annex III, Module B, of the Council Directive **2014/53/EU** on Radio Equipment (RED) and the mutual recognition of their conformity, in relation to the essential requirements of:

Article 3.1(a) Health and Safety

Article 3.1(b) EMC

Article 3.2 Radio Spectrum

Article 3.3 Special Features

Details of this certification, standards used, RF parameters of this equipment and other information necessary for the correct interpretation and application, including any remarks, restrictions or observations are detailed in the attached Annex.

This is to certify that (a) sample(s) of the Product described herein has been investigated and found to be in compliance with the Standard(s) indicated on this Certificate. This certificate applies only to the product sample(s) submitted by the Applicant. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The Applicant/ Manufacturer are solely and fully responsible for conformity of all products to all applicable standard(s), specifications or requirements. This certificate shall only be used in its entirety. Authorization to apply the Notified Body Identification Number adjacent to the CE Marking is not permitted for Module B Certifications. The manufacturer shall keep a copy of the EU-type examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market.

Signed: 

Bob DeLisi
on behalf of UL Verification Services Inc.

Issue Date: 07 December 2017¹

Certificate No: AN17C11022-2

¹ This certificate expires on June 12, 2018 unless revised to reflect compliance with the Adaptivity test requirements in EN 301 893 V2.1.1. See also remarks section, page 3.

ANNEX

SCOPE OF EXAMINATION

Article	✓/✗	Applied standard(s) (and version) or reference.
Article 3.1a (Health and Safety):	✓	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN 62311:2008
Article 3.1b (EMC)	✓	Draft EN 301 489-1 V2.2.0, Draft EN 301 489-17 V3.2.0, EN 55032:2015, EN 55024:2010+A1:2015, EN61000-3-2:2014, EN61000-3-3:2013
Article 3.2 (Radio Spectrum use)	✓	EN 300 328 V2.1.1, EN 301 893 V2.1.1, EN 301 893 v1.8.1 (adaptivity)
Article 3.3 a-i (Special Features)	-	Not Applicable

TECHNICAL DOCUMENTATION DETAILS

Title:	AN17C11022
Reference Number:	N/A
Issue Date:	2017-10-20
Contact Name:	Kang, ChangHyo

GENERAL PRODUCT DETAILS

Brand / Trade Name:	M2I Corporation
Model Number(s) / Type Designation:	TOPRH0700WD-W
Build Version / Revision Level:	v1.0
Software Name and Version:	v1.0
Operating Frequency and Declared Maximum Output Power (e.i.r.p.) and Minimum/Maximum Antenn Gains	802.11bg n(HT20), nHT(40) 802.11a n(HT20), nHT(40) 2412 – 2472 MHz 5180 – 5320 MHz 7.3 dBm 6.7 dBm 3.98 dBi 6.40 dBi
Additional Information (modulation)	802.11b: CCK (BPSK, QPSK) 802.11a/g/n: OFDM (BPSK, QPSK, QAM)
Description of Use / Function:	Industrial HMI Touch Panel
Manufacturers Company Name:	M2I Corporation
Manufacturers Address:	M2I Bldg., 35-11, Jeonpa-ro 24beon-gil, Manan-gu, Anyang-si, Gyeonggi-do, 430-857, Korea

ACCESSORIES

No accessories included with the device. All accessories are options not contained in device packaging.

PRODUCT VARIANT DETAILS

Details of Product Variant(s) covered by this	None
Notified Body Certification:	

REMARKS, RESTRICTIONS AND OBSERVATIONS

There are currently no harmonised standards listed to cover Article 3.1a. The standards used are considered state of the art as they are either currently harmonised under the Low Voltage Directive or were harmonised under the R&TTE Directive for the purposes of evaluating safety with respect to rf exposure. Both of these Directives have the same essential requirements with regards to safety as the RE-D. Compliance with rf exposure requirements is based on a minimum device-to-user separation distance of 20 cm. This is consistent with the anticipated use of the module and the information is provided to module integrators.

There are currently no harmonised standards listed to cover Article 3.1b. The standards used are considered state of the art as they are the most recent draft or published candidate standards for use with the RE-D covering this type of equipment.

A mixture of harmonised and non-harmonised standards was used to demonstrate compliance with Article 3.2 of the Radio Equipment Directive (RE-D).

- The harmonised standard EN 300 328 v2.1.1 was listed in OJ C 344/32 (October 13, 2017) with no superseding standard listed.
- The harmonised standard EN 301 893 V2.1.1 was listed in OJ C 344/32 (October 13, 2017) with no superseding standard listed. As described in the OJ the manufacturer applied the Adaptivity tests from EN 301 893 V1.8.1 (also partially harmonised) in place of the Adaptivity tests in EN 301 893 V2.1.1. Reassessment will be required to the V2.1.1 Adaptivity requirements prior to June 12, 2018.

The manufacturer's declaration of conformity appropriately lists the standards used.

The DoC shall be shipped with each device sold. This may be a shortened form as described in Article 10(9) and Annex VII.

The product labelling contained the CE mark and a type, batch or serial number or other element its identification as required by the Directive.

The product labelling contained the CE mark as required by the Directive. The product contains operations in the 5150-5350 MHz band that are subject to restrictions on use. A list of all such Class 2 equipment can be found on the [Europa website](#) and on the date this evaluation was issued the publication was last updated in July 2014. As such product labelling will need to follow the implementing act related to article 10(10) once that act has been published, until then any format of warning related to the restrictions on use may be used. The proposed packaging and manual for this device follows the current proposal for the designating act related to Article 10(10).

All other operations are in harmonised operating bands without restrictions as described in the Class 1 equipment list *Publication in accordance with Article 1(3) of Commission Decision 2000/299/EC (Version December 2014)* which is also available from the [Europa website](#).

REVISION HISTORY

Date:11/28/2017	Original version (-1) released.
Date:12/7/2017	Modified manufacturer's address.