



NOTIFIED BODY STATEMENT OF OPINION

(For Council Directive 1999/5/EC)

This opinion is issued to

M2I Corporation

M2I Bldg., 196-38, Anyang7-Dong, Manan-Gu,
Anyang-Si, Gyeonggi-Do, 430-857,
Korea

to state that the equipment known as

HMI Touch Panel Controller, model: TOPRP20D

in our opinion, conforms (following an evaluation of its associated Technical Construction File and subject to any restrictions stated in the attached Annex) with the essential requirements of Annex IV of Council Directive 1999/5/EC on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity, in relation to the essential requirements of :

Article 3.1(a) LVD

Article 3.1(a) EMF

Article 3.1(b) EMC

Article 3.2 Radio Spectrum.

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

Note: With the implementation of the Radio Equipment Directive (RED) this opinion is only valid until 13 June 2017. Manufacturers may start to use the RED as of 13 June 2016.

Signed:

Mark Briggs

Mark Briggs
on behalf of UL Verification
Services Inc.

Issue Date:

07 November 2016

Notified Body Opinion No:

AN16C10880-2

ANNEX

SCOPE OF OPINION

Article	✓/✗	Applied standard(s) (and version) or reference.
Article 3.1a (LVD):	✓	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
Article 3.1a (EMF):	✓	EN 62311 : 2008
Article 3.1b (EMC)	✓	EN 301 489-1 V1.9.2. EN 301 489-17 V2.2.1
Article 3.2 (Radio Spectrum use)	✓	EN 300 328 V1.9.1
Article 3.3 a-f (Special Features)	n/a	

TECHNICAL CONSTRUCTION FILE DETAILS

Title:	HMI Touch Panel Controller
Reference Number:	TCF Number: AN16C10880 (during the course of the assessment documented in this opinion several parts of the initially filed TCF package have been revised and additional documents have been added; the complete final set of documents is archived in UL's filing system under the given Opinion number;)
Issue Date:	2016-08-26 (initial), final documents completed on 2016-10-31;
Contact Name:	Hong-Soo Kim

GENERAL PRODUCT DETAILS

Brand / Trade Name:	M2I Corporation
Model Number(s) / Type Designation:	TOPRP20D
Product SW/HW Version:	V1.4.1.2 / CPU: V0.2F, BASE: V0.2L, SMPS: REV 00 (as indicated in the radio test report)
Operating Frequency	2412 – 2472 MHz, WLAN channels 1 - 13
Highest Measured Output Power, e.i.r.p.	9.05 dBm (with 5dBi omni-directional rod antenna with RP SMA plug)
Additional Information (modulation)	IEEE 802.11b with DSSS, IEEE 802.11g/n with OFDM
Description of Use / Function:	HMI Touch Panel Controller using Wi-Fi technology
Manufacturers Company Name:	M2I Corporation
Manufacturers Address:	M2I Bldg., 196-38, Anyang7-Dong, Manan-Gu, Anyang-Si, Gyeonggi-Do, 430-857, Korea

PRODUCT VARIANT DETAILS

Details of Product Variant(s) covered by this Notified Body Opinion:	None
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REMARKS, RESTRICTIONS AND OBSERVATIONS

Harmonized standards, as listed in OJ C 249 of July 08, 2016, were used to demonstrate compliance with each applicable article of the R&TTE Directive. All the standards referenced are current as of the date of this opinion and none are subject to a date of cessation of presumption of conformity.

The manufacturer's declaration of conformity appropriately lists the standards used. The DoC should be shipped with each device sold. This may be a shortened form of the DoC as described in question 23 in the European Union's Guide *Interpretation of the Directive 1999/5/EC* published on the [Europa Website](#) provided that a link to an on-line version of the full declaration is also provided.

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 device and the information provided in the User's Manual.

With the documented low output power the device would in addition be excluded from SAR measurement requirements for portable use cases with less than 20cm.

The product labelling as demonstrated within the presented safety test report and the installation manual contained the CE mark and the Notified Body number as required by the Directive.

REVISION HISTORY

2016-11-02	Original version (-1) released.
2016-11-07	AN16C10880-2 – adding IEEE 802.11 n-mode in product details;