

# CERTIFICATE EU -TYPE EXAMINATION Module B

No. 211299111

issued in accordance with Annex III to Directive 2014/53/EU

Applicant: **AJAX SYSTEMS CYPRUS HOLDINGS LTD**  
**Ifigeneias, 17**  
**Strovolos, 2007**  
**Nicosia, Cyprus**

Manufacturer: **AJAX SYSTEMS MANUFACTURING LLC**  
**Sklyarenka, 5**  
**Kyiv, 04073**  
**Ukraine**

Product: **Touch keypad with RFID reader**  
the product specification and the technical documentation identification are listed  
in the annex to this certificate

Model: **Ajax KeyPad Plus**

Hardware Version: **KPP.001.MBR.001v12[8xx]**

Firmware Version: **5.53.2.0**

With this certificate TSÚ Piešťany, š.p. as Notified Body confirms the conformity of the stated type of product with the essential requirements of the following Directive as amended:

### 2014/53/EU Radio equipment (RED)

Essential Requirement: **Article 3.1(a) Safety**  
**Article 3.1(a) Health**  
**Article 3.1(b) EMC**  
**Article 3.2 Radio**

The technical design of the assessed type has been verified on the technical documentation presented by the manufacturer according to Annex III, Module B of the Directive.

Certificate has been issued on the basis of this document: Conformity assessment report No. 210500106 dated 26.03.2021.



the manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and meets the requirements of all applicable EC/EU Directives.

Issue date: 26. 03. 2021  
Expiry date: 25. 03. 2026  
Issue: 1



Ing. Igor KURUC, CSc.  
on behalf of TSU Piešťany, š.p., NB 1299

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### Standards used for the conformity assessment

Article of directive 2014/53/EU	Harmonized Standards	Other Standards
3.1(a) Safety	EN 62368-1:2014/AC:2015	EN 62368-1:2014/A11:2017/AC:2017
3.1(a) Health	EN 62311:2008	
3.1(b) EMC	EN 55035:2017	EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1 EN 301 489-17 V3.2.4
3.2 Radio	EN 300 220-2 V3.1.1 EN 300 330 V2.1.1 EN 300 328 V2.2.2	EN 300 220-1 V3.1.1

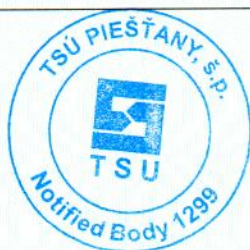
As far as the essential requirements indicated, the Notified Body of TSÚ Piešťany, š.p. confirms, that the technical design of the product meets the essential requirements of the Directive 2014/53/EU Article 3.

#### Remarks:

This certificate EU-type examination does not include the assessment of the manufacturing product and does not use the identification number of the Notified Body TSÚ Piešťany, š.p.

#### The rules for use of this certificate.

1. Based on Annex III, Module C of Directive 2014/53/EU, the manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the EU-type examination certificate.
2. Validity of this EU-type examination certificate is limited to the versions of the applied standards. If versions of standards change or modifications are made to the product, this certificate will be invalidated.
3. It is forbidden to modify, amend or rewrite the data in the certificate
4. The holder of this certificate must keep the conditions specified in the General Rules for Product Certification, which are freely available at [www.tsu.eu](http://www.tsu.eu).



# Annex to the certificate EU-type examination

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### Product Radio Specifications

Transceiver module 868 MHz	
Manufacturer name:	Texas Instruments inc.
Product Designation.:	CC1352R1F3RGZ
Product Description:	Multiprotocol and multi-band wireless microcontroller
Details of operation	
Frequency Range	868.0 – 868.6 MHz
Transmit Power:	< 7 dBm e.r.p.
Modulation:	GFSK
Antenna Designation:	PCB antenna, gain: -1 dBi

Transceiver module Bluetooth Low Energy	
Manufacturer name:	Texas Instruments inc.
Product Designation.:	CC1352R1F3RGZ
Product Description:	Multiprotocol and multi-band wireless microcontroller
Details of operation	
Frequency Range	2400 – 2483.5 MHz
Transmit Power:	< 0 dBm e.i.r.p.
Modulation:	GFSK
Antenna Designation:	Chip antenna, gain:-7dBi

Transceiver module RFID	
Manufacturer name:	<b>NXP Semiconductors N.V.</b>
Product Designation.:	<b>MFRC63003HNY</b>
Product Description:	<b>Multiprotocol NFC frontend IC</b>
Details of operation	
Frequency Range:	13.56 MHz
H-field strength at 10 m:	< 15 dBμA/m
Modulation:	ASK
Antenna Designation:	Ferite-backed PCB coil, gain:-7dBi

### Technical Documentation Identification

The following identified Technical Documentation has been reviewed and has been used to determine if the design of the mentioned radio equipment meets the essential requirements:

- Technical description and block diagram of the assessed device, user manual, data of used antennas
- Analysis and assessment of the risks elaborated by the manufacturer
- Test report No.: 13934-21 issued 12.2.2021 by Ukrainian State Centre of Radio Frequencies, Test Centre UKRCHASTOTNAGLIAD, 151, pr. Peremogy, Kyiv, 03179, Ukraine on the product Touch keypad with RFID reader, model Ajax KeyPad Plus, manufacturer "AJAX SYSTEM MANUFACTURING" LLC, Sklyarenka,5, Kyiv, 04073, Ukraine
- Test report No.: 13932-21 issued 18.2.2021 by Ukrainian State Centre of Radio Frequencies, Test Centre UKRCHASTOTNAGLIAD, 151, pr. Peremogy, Kyiv, 03179, Ukraine on the product Touch keypad with RFID reader, model Ajax KeyPad Plus, manufacturer "AJAX SYSTEM MANUFACTURING" LLC, Sklyarenka,5, Kyiv, 04073, Ukraine
- Test report No.: 13925-21 issued 18.2.2021 by Ukrainian State Centre of Radio Frequencies, Test Centre UKRCHASTOTNAGLIAD, 151, pr. Peremogy, Kyiv, 03179, Ukraine on the product Touch keypad with RFID reader, model Ajax KeyPad Plus, manufacturer "AJAX SYSTEM MANUFACTURING" LLC, Sklyarenka,5, Kyiv, 04073, Ukraine

