



Certification Body : **PayCert**  
48 rue Montmartre  
75002 Paris  
France

Paris, December 1<sup>st</sup>, 2022

M. Ivan KVESIC  
Miura Systems Limited  
3 Cliveden Office Village, Cressex Business Park,  
Lancaster Rd, High Wycombe HP12 3YZ  
United Kingdom

***PURE Certification Letter – Kernel Product***

**Certified Kernel:**

Certificate Number: MIU.KER.218.2021-001  
Marketing Name: Gemalto PURE Contactless Kernel  
Technical Name & Version: M000-EMVL2KB-V1-2

PURE Specification Reference: v2.1.8  
PURE Reader Test Plan: 1.4-3

**As tested in:**

Terminal Name & Version: M020 V2  
OS: M000-OS-V9  
Terminal Product Type: Integrated Reader  
Level 1 Approval Number: 16015 0518 260 26b 26b LGAI

Dear M. KVESIC,

PayCert has received a request, submitted by Miura Systems Limited, your company, for the Certification of the Kernel product M000-EMVL2KB-V1-2, hereafter referred to as the Product and identified above as "Gemalto PURE Contactless Kernel".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as MIU.KER.218.2021-001A and we have assessed your Test Report (ref. C20REP01-759 v1.0), which was generated by FIME EMEA, following the *PURE Contactless Reader/Kernel Test Cases* version 1.4-3.

After assessing such file in the Certification Evaluation Report (ref. PURE/EVR/KER/2021-001 v1.0.0), PayCert has found reasonable evidence that the submitted samples of the Product complies to the *PURE contactless reader Specifications for PURE Dual-Interface Cards & Mobile PURE* version v2.1.8), hereafter referred to as the "Reference Specification".

PayCert hereby grants the Product Certification of compliance with the requirements stated by the Reference Specification, and will include your Product in the certified products list, published on PURE Certification website ([www.pure-payments.com](http://www.pure-payments.com)).



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Please note that PayCert's Certification is subject to the following terms and conditions as listed hereafter:

i) If the Product is changed, Miura Systems Limited must notify PayCert of this fact in writing. Any change in the Product that may generate a different behaviour with respect to the Reference Specification or a difference in the Product Implementation Conformance Statement will be considered a major modification subject to a new evaluation in order to maintain the present Certification.

ii) The Present Certification granted to Miura Systems Limited for the above referenced Product is non-transferable to any other vendor.

iii) Under no circumstances does this certification letter include or imply any product or service warranties from PayCert, including without limitation, any implied warranties of merchantability, fitness for purpose, or non-infringement, all of which are expressly disclaimed by PayCert.

iv) The Present Certification is not an assessment of the product's security level or Level 1 compliance. It is the responsibility of the certificate's user to make sure the results of all assessments are still valid at the time of the product's approval or issuance.

The Certification Body has the right to terminate or revoke the Certification should any of the aforementioned terms and conditions be not respected.

**The present certification letter supersedes the certification letter  
ref. PURE/CLE/KER/2021-001 v1.0.1 issued on 08/02/2021**

Name: Ludovic VERECQUE

Title: General Manager



Terminal Range Declaration

Kernel products

<b>Tested Terminal Characteristics:</b> <i>(During the initial kernel certification)</i>	<b>OS:</b> M000-OS-V9  <b>Physical Architecture:</b> <input checked="" type="checkbox"/> Integrated Reader <input type="checkbox"/> Intelligent Reader <input type="checkbox"/> Transparent Card Reader  <b>Supported Options (see note 1):</b> <table border="1" data-bbox="810 622 1465 748"> <tr> <td>1</td> <td>2</td> <td>4</td> <td>6</td> <td>7</td> <td>8</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	1	2	4	6	7	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	4	6	7	8								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Tested Terminal Name:</b>	M020 V2												
<b>Additional Information:</b> <i>(For example, configurable parts...)</i>	Reader module is out of scope of M020 certification												

*Option 1: GET DATA Transaction*

*Option 2: PUT DATA Transaction*

*Option 4: Application Authentication Transaction*

*Option 6: Long Tap support*

*Option 7: Online Additional Tap support*

*Option 8: Echo command to retrieve the last Generate AC response.*

### **Declaration of the terminals using the Certified PURE Kernel**

The present appendix is intended to declare a range of contactless terminals, implementing a certified PURE Kernel/Reader. Terminals are acknowledged as a range based on the same characteristics listed below:

- PURE Reader module (or Entry Point module);
- Operating System;
- Physical architecture

<b>Terminal Identification:</b>	<b>Brand Name:</b> Miura Systems Ltd. <b>Model Name:</b> M020 <b>Version:</b> 2.0 <b>Level 1:</b> 17913 0622 310 31a 31a ULVS <b>Usable Options (see note 2):</b> <table border="1" data-bbox="571 1731 1225 1861"> <tr> <td>1</td> <td>2</td> <td>4</td> <td>6</td> <td>7</td> <td>8</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <p><b>Differences with the terminal used for the kernel certification:</b>  Different L1 HW (M020-EMVPCDHW v2.0) and SW (M000-EMVPCDSW v3.0).</p>	1	2	4	6	7	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	4	6	7	8								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								