



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

Paris, February 14<sup>th</sup> 2024

Ingenico Terminals SAS  
Donibristle Industrial Estate  
Dunfermline, KY11 9JU  
United Kingdom

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

#### **Certified Kernel:**

Certificate Number: [ING.KER.218.2021-002](#)  
Marketing Name: [AXIUM ISCOS Pure Kernel](#)  
Technical Name & Version: [PURE\\_L2 02.01](#)

PURE Specification Reference: [v2.1.8](#)  
PURE Reader Test Plan: [v1.4-3](#)

#### **As tested in:**

Terminal Name & Version: [AXIUM DX8000 \(Q\)](#)  
OS: [AxISCOS](#)  
Terminal Product Type: [Integrated Reader](#)  
Level 1 Approval Number: [17116 0820 300 30a 30a BCTS](#)

Dear Customer,

PayCert has received a request, submitted by Ingenico Terminals SAS, your company, for the Certification of the Kernel product “[PURE\\_L2 02.01](#) », hereafter referred to as the Product and identified above as “[AXIUM ISCOS Pure Kernel](#)”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as [ING.KER.218.2021-002A](#) dated 22/01/2021 and we have assessed the Test Report (ref. [Z20REP00-383 v1.0](#) dated 11/12/2020), which was generated by FIME CHINA, following the *PURE Contactless Reader/Kernel Test Cases version v1.4-3*.

After assessing such file in the Certification Evaluation Report (ref. [PURE/EVR/KER/2020-032 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”.



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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)).

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

i) If the Product is changed, Ingenico Terminals SAS 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 Ingenico Terminals SAS 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\_2021-002\_v1.0.0 issued on January 26<sup>th</sup> 2021**

Name: Laurence Masson

Title: Chief Operating Officer



<b>Tested Terminal Characteristics :</b> <i>(During the initial kernel certification)</i>	OS : AxISCOS  Physical Architecture : <input checked="" type="checkbox"/> Integrated Reader <input type="checkbox"/> Intelligent Reader <input type="checkbox"/> Transparent Card Reader  Supported Options (see note 1): <table border="1" data-bbox="810 562 1465 696"> <tr> <td>1</td> <td>2</td> <td>4</td> <td>6</td> <td>7</td> <td>8</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<b>Tested Terminal Name :</b>	AXIUM DX8000 (Q)												
<b>Additional Information :</b> <i>(For example configurable parts...)</i>	Reader identification : Reader module is out of scope of DX8000 (Q) 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>	Brand Name : INGENICO Model Name : AXIUM DX8000 Version : U Level 1 : 17116 0820 300 30a 30a BCTS Usable Options (see note 2) : <table border="1" data-bbox="571 1675 1225 1809"> <tr> <td>1</td> <td>2</td> <td>4</td> <td>6</td> <td>7</td> <td>8</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table> Differences with the terminal used for the kernel certification : Main differences are application processor, screen size and Level 1 PCD	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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<b>Terminal Identification :</b>	Brand Name : INGENICO Model Name : AXIUM EX8000 Version : Level 1 : 17335 0321 300 30a 30a BCTS Usable Options (see note 2) :											
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Differences with the terminal used for the kernel certification : Main differences are screen size and Level 1 PCD												

<b>Terminal Identification :</b>	Brand Name : INGENICO Model Name : AXIUM EX6000 Version : Level 1 : 17508 0721 300 30a 30a BCTS Usable Options (see note 2) :											
	<table border="1"><tr><td>1</td><td>2</td><td>4</td><td>6</td><td>7</td><td>8</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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Differences with the terminal used for the kernel certification : Main differences are screen size and Level 1 PCD												

**Additional Terminal hardware in the range recognition :**

<b>Terminal Identification : +1</b>	Brand Name : INGENICO Model Name : AXIUM RX7000 Version : Level 1 : 17944 0722 310 31a 31a BCTS Usable Options (see note 2) :											
	<table border="1"><tr><td>1</td><td>2</td><td>4</td><td>6</td><td>7</td><td>8</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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Differences with the terminal used for the kernel certification : Main differences are screen size and Level 1 PCD												

<b>Terminal Identification : +2</b>	Brand Name : INGENICO Model Name : AXIUM DX4000 Version : Level 1 : 18083 1022 310 31a 31a BCTS Usable Options (see note 2) :											
	<table border="1"><tr><td>1</td><td>2</td><td>4</td><td>6</td><td>7</td><td>8</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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	<p>Differences with the terminal used for the kernel certification : Main differences are screen size and Level 1 PCD</p>
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<b>Terminal Identification : +3</b>	<p>Brand Name : INGENICO Model Name : AXIUM EX4000 Version : Level 1 : 18321 0423 310 31a 31a BCTS Usable Options (see note 2) :</p> <table border="1"><thead><tr><th>1</th><th>2</th><th>4</th><th>6</th><th>7</th><th>8</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr></tbody></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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	<p>Differences with the terminal used for the kernel certification : Main differences are screen size and Level 1 PCD</p>												

<b>Terminal Identification : +4</b>	<p>Brand Name : INGENICO Model Name : AXIUM RX5000 Version : Level 1 : 18361 0523 310 31a 31a BCTS Usable Options (see note 2) :</p> <table border="1"><thead><tr><th>1</th><th>2</th><th>4</th><th>6</th><th>7</th><th>8</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr></tbody></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	1	2	4	6	7	8							
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	<p>Differences with the terminal used for the kernel certification : Main differences are screen size and Level 1 PCD</p>												