



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

Paris, April 8<sup>th</sup>, 2025

**PAX Computer technology (ShenZhen) Co., Ltd**  
Room 701, PAX Technology Building, Shanxia  
Community, Pinghu Sub district  
Longgang District, Shenzhen  
P.R. CHINA

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

**Certified Kernel:**

Certificate Number: **PAX.KER.218.2023-006**  
Marketing Name: PURE LIB  
Technical Name & Version: F PURE LIB v105

PURE Specification Reference: v2.1.8  
PURE Reader Test Plan: 1.5-2

**As tested in:**

Terminal Name & Version: A80 Version A  
OS: PayDroid  
Terminal Product Type: Integrated Reader  
Level 1 Approval Number: 17598 1021 300 30a 30a BCTS

Dear Customer,

PayCert has received a request, submitted by PAX Computer technology (ShenZhen) Co., Ltd, your company, for the Certification of the Kernel product F PURE LIB v105, hereafter referred to as the Product and identified above as “PURE LIB”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAX.KER.218.2023-006B dated 2023/03/01 and we have assessed your Test Report (ref. Z23REP00-032 v1.0), which was generated by FIME(Shenzhen) Technology Co., Ltd, following the *PURE Contactless Reader/Kernel Test Cases version 1.5-2*.

After assessing such file in the Certification Evaluation Report (ref. PURE/EVR/KER/2023-009 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 (PURE/CLE/KER/2023-004\_v6.0.0) is subject to the following terms and conditions as listed hereafter:

i) If the Product is changed, PAX Computer technology (ShenZhen) Co., Ltd 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 PAX Computer technology (ShenZhen) Co., Ltd 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/2023-004\_v5.0.0 issued on August 26th, 2024**

Name: Laurence MASSON

Title: Chief Operating Officer



<b>Tested Terminal Characteristics:</b> <i>(During the initial kernel certification)</i>	<p>OS: PayDroid</p> <p>Physical Architecture:</p> <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> Integrated Reader</li><li><input type="checkbox"/> Intelligent Reader</li><li><input type="checkbox"/> Transparent Card Reader</li></ul> <p>Supported Options (see note 1):</p> <table><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 type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	4	6	7	8								
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Tested Terminal Name :</b>	A80 Version A												
<b>Additional Information :</b> <i>(For example configurable parts...)</i>	<p><u>Reader Module identification</u>: N/A (Reader module is out of scope of “A80 Version A”)</p>												

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

Terminal Identification :	Brand Name : PAX A910S Model Name : A910S Version : A Level 1 : 18126 1222 310 31a 31a BCTS Usable Options (see note 2) :					
	1	2	4	6	7	8
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Differences with the terminal used for the kernel certification: The PCD is different.					



<b>Terminal Identification :</b>	Brand Name : PAX IM30 Model Name : IM30 Version : B Level 1 : 18322 0523 310 31a 31a BCTS Usable Options (see note 2) :					
	1	2	4	6	7	8
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Differences with the terminal used for the kernel certification: The PCD is different.						

<b>Terminal Identification :</b>	Brand Name : PAX A50 Model Name : A50 Version : B Level 1 : 17794 0322 310 31a 31a BCTS Usable Options (see note 2) :					
	1	2	4	6	7	8
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Differences with the terminal used for the kernel certification: The PCD is different.						

<b>Terminal Identification :</b>	Brand Name : PAX Model Name : A99 Version : A Level 1 : 18657 0124 310 31a 31a BCTS Usable Options (see note 2) :					
	1	2	4	6	7	8
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Differences with the terminal used for the kernel certification: The PCD is different.						

<b>Terminal Identification :</b>	Brand Name : PAX Model Name : IM25 Version : A Level 1 : 18789 0324 310 31a 31a BCTS  Usable Options (see note 2) :					
	1	2	4	6	7	8
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Differences with the terminal used for the kernel certification: The PCD is different.						



<b>Terminal Identification :</b>	Brand Name : PAX Model Name : A960 Version : A Level 1 : 18125 1222 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 type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	4	6	7	8							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Differences with the terminal used for the kernel certification: The PCD is different.													

<b>Terminal Identification :</b>	Brand Name : PAX Model Name : A8900 Version : A Level 1 : 18823 0424 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 type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	4	6	7	8							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Differences with the terminal used for the kernel certification: The PCD is different.													

<b>Terminal Identification :</b>	Brand Name : PAX Model Name : Aries8 Version : A Level 1 : 17734 0122 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 type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	4	6	7	8							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Differences with the terminal used for the kernel certification: The PCD is different.													

<b>Terminal Identification :</b>	Brand Name : PAX Model Name : Q10A Version : A Level 1 : 17443 0621 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 type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	1	2	4	6	7	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	4	6	7	8							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Differences with the terminal used for the kernel certification: The PCD is different.													



Terminal Identification :	Brand Name : PAX Model Name : A8500+S210 Version : A Level 1 : 18289 0423 310 31a 31a BCTS					
	Usable Options (see note 2) :					
	1	2	4	6	7	8
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Differences with the terminal used for the kernel certification: The PCD is different. Apply for combination A8500+S210. S210 is used as a transparent card reader, while Reader module and PURE kernel are processed on A8500. It is confirmed that the behavior of the Reader module and PURE kernel keep the same with the initial product.						