



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

Paris, April 22nd, 2026

Shenzhen Topwise Communication Co., Ltd.
5/F, Shengtang Building East Block, Tairan Road 9
Futian District, Shenzhen 518042
P.R. CHINA

PURE Certification Letter – Kernel Product

Certified Kernel:

Certificate Number: **STC.KER.218.2023-038**
Marketing Name: PURE LIB
Technical Name & Version: PURE LIB V111

PURE Specification Reference: v2.1.8
PURE Reader Test Plan: v1.5-2

As tested in:

Terminal Name & Version: T6 v1.0.0
OS: AOS 2.0.0
Terminal Product Type: Integrated Reader
Level 1 Approval Number: 18512 0923 310 31a 31a BCTS

Dear Customer,

PayCert has received a request, submitted by Shenzhen Topwise Communication Co., Ltd., your company, for the Certification of the Kernel product PURE LIB V111, 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 STC.KER.218.2023-038A dated 2023/11/20 and we have assessed your Test Report (ref. Z23REP00-394 v1.0), which was generated by FIME CHINA, following the *PURE Contactless Reader/Kernel Test Cases* version v1.5-2.

After assessing such file in the Certification Evaluation Report (ref. PURE/EVR/KER/2023-179 v1.0.0), PayCert has found reasonable evidence that the submitted samples of the Product comply 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).



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Please note that PayCert's Certification (PURE/CLE/KER/2023-181_v3.0.0) is subject to the following terms and conditions as listed hereafter:

i) If the Product is changed, Shenzhen Topwise Communication 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 Shenzhen Topwise Communication 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/2023-181_v2.0.0 issued on December 22nd, 2023**

Name: Laurence MASSON

Title: Chief Operating Officer



Tested Terminal Characteristics: <i>(During the initial kernel certification)</i>	OS: AOS 2.0.0 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="826 562 1481 629"> <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"/>
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"/>								
Tested Terminal Name :	T6 v1.0.0												
Additional Information : <i>(For example configurable parts...)</i>	<u>Reader Module identification</u> : Entry LIB V130												

- 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 : MP45P Model Name : MP45P Version : 1.0.0 Level 1 : 18532 0923 310 31a 31a BCTS Usable Options (see note 2) : <table border="1" data-bbox="584 1563 1238 1630"> <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"/>
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"/>								
	Differences with the terminal used for the kernel certification: MP45P adds a physical keyboard on the basis of T6, and the screen size is changed.												



Terminal Identification :	Brand Name : T1 Model Name : T1 Version : V1.0.1 Level 1 : 17521 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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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
Differences with the terminal used for the kernel certification: T1 is based on the T6 but with a different screen size.												

Terminal Identification :	Brand Name : T3 Model Name : T3 Version : 1.0.0 Level 1 : 17884 0622 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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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
Differences with the terminal used for the kernel certification: T3 adds a physical keyboard on the basis of T6, and the screen size is changed.												

Terminal Identification :	Brand Name : MP35F Model Name : MP35F Version : 1.0.0 Level 1 : 19736 0126 320 32a 32a 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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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
Differences with the terminal used for the kernel certification: The MP35F is based on the T6 but with a different screen size.												

Terminal Identification :	Brand Name : MP35P Model Name : MP35P Version : 1.1 Level 1 : 17366 0421 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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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
Differences with the terminal used for the kernel certification: MP35P adds a physical keyboard on the basis of T6, and the screen size is changed.												



Terminal Identification :	Brand Name : MP35 Model Name : MP35 Version : 1.2 Level 1 : 17433 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 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"/>
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"/>							
	Differences with the terminal used for the kernel certification: MP35 adds a physical keyboard on the basis of T6, removes the printer, and the screen size is changed.											