



Certification Body : PayCert
48 rue Montmartre
75002 Paris
France

Paris, April 21st , 2023

Ms. Melody FU
Shenzhen Topwise Communication Co., Ltd
5/F, Shengtang Building East Block, Tairan Road 9,
Futian District, Shenzhen 518042,
PR CHINA

PURE Certification Letter – Kernel Product

Certified Kernel:

Certificate Number: STC.KER.218.2023-009
Marketing Name: PURE LIB
Technical Name & Version: PURE LIB V100

PURE Specification Reference: v2.1.8
PURE Reader Test Plan: v1.5.2

As tested in:

Terminal Name & Version: T1 v1.0.1
OS: AOS 2.0.0
Terminal Product Type: Integrated Reader
Level 1 Approval Number: 17521 0721 300 30a 30a BCTS

Dear Ms. FU,

PayCert has received a request, submitted by Shenzhen Topwise Communication Co., Ltd, your company, for the Certification of the Kernel product PURE LIB V100, 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.218.2023-009A dated 27/03/2023 and we have assessed your Test Report (ref. Z23REP00-101 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/2023-056 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).



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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, 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.

Name: Ludovic VERECQUE

Title: General Manager



Terminal Range Declaration

Kernel products

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="826 622 1481 689"> <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 :	T1 V1.0.1												
Additional Information : <i>(For example configurable parts...)</i>	PURE Reader Module Identification : Entry LIB V110												

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 : TOPWISE Model Name : MP35 Version : 1.2 Level 1 : 17433 0621 300 30a 30a BCTS Usable Options (see note 2) : <table border="1" data-bbox="587 1697 1241 1765"> <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 : MP35 adds a physical keyboard on the basis of T1, removes the printer, and changes the screen size	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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Terminal Identification :	<p>Brand Name : TOPWISE Model Name : MP35P Version : 1.1 Level 1 : 17366 0421 300 30a 30a BCTS Usable Options (see note 2) :</p> <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"/>	<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"/>								
<p>Differences with the terminal used for the kernel certification : MP35P adds a physical keyboard on the basis of T1, and the screen size is changed</p>													

Terminal Identification :	<p>Brand Name : TOPWISE Model Name : T3 Version : 1.0.0 Level 1 : 17884 0622 310 31a 31a BCTS Usable Options (see note 2) :</p> <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"/>	<input checked="" type="checkbox"/>
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<p>Differences with the terminal used for the kernel certification : T3 adds a physical keyboard on the basis of T1, and the screen size is changed</p>													