



Certification Body :
PayCert
48 rue Montmartre
75002 Paris
France

Paris, 19. November 2021

M. Manuel SAHM
FEIG ELECTRONIC GmbH
Lange Strasse 4
35781 Weilburg
GERMANY

PURE Certification Letter – Kernel Product

Certified Kernel:

Certificate Number: FEI.KER.218.2019-017
Marketing Name: PURE contactless Kernel
Technical Name & Version: libemvco_cxx_pure v2.1.8

PURE Specification Reference: v2.1.8
PURE Reader Test Plan: v1.4.1

As tested in:

Terminal Name & Version: cVEND plug 1.1
OS: Linux
Terminal Product Type: C'less Integrated Reader
Level 1 Approval Number: 16472 0319 260 26b 26b FIME

Dear M. Manuel SAHM,

PayCert has received a request, submitted by FEIG ELECTRONIC GmbH, your company, for the Certification of the Kernel product libemvco_cxx_pure (version v2.1.8), hereafter referred to as the Product and identified above as “PURE contactless Kernel”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as FEI.KER.218.2019-017B and we have assessed your Test Report (ref. C19REP01-331 v1.0), which was generated by FIME EMEA, following the *PURE Contactless Reader/Kernel Test Cases* version v1.4.1.

After assessing such file in the Certification Evaluation Report (ref. PURE/EVR/KER/2019-019 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).

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

i) If the Product is changed, FEIG ELECTRONIC GmbH 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 FEIG ELECTRONIC GmbH 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 : Linux 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 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"/>								
Tested Terminal Name :	cVEND plug 1.1												
Additional Information : <i>(For example configurable parts...)</i>													

- 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 : FEIG ELECTRONIC GmbH Model Name : cVEND plug Version : 1.2 Level 1 : 17396 0521 300 30a 30a FIME 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 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> Differences with the terminal used for the kernel certification : Only changes in PCD (antenna matching circuit), to fulfill the EMVCo L1 3.0a certification	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"/>								



Terminal Range Declaration

Kernel products

Terminal Identification :

Brand Name : FEIG ELECTRONIC GmbH

Model Name : cVEND PIN

Version : 1.0

Level 1 : 16356 1218 260 26b 26b FIME

Usable Options (see note 2) :

1	2	4	6	7	8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Differences with the terminal used for the kernel certification :

cVEND PIN has an integrated secure pinpad and a display.

PCD changes (antenna matching circuit) to fulfill EMVCo L1 2.6b

Optional external combined contact/magnetic stripe reader

Terminal Identification :

Brand Name : FEIG ELECTRONIC GmbH

Model Name : cVEND PIN

Version : 1.1

Level 1 : 17493 0621 300 30a 30a FIME

Usable Options (see note 2) :

1	2	4	6	7	8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Differences with the terminal used for the kernel certification :

cVEND PIN has an integrated secure pinpad and a display.

PCD changes (antenna matching circuit) to fulfill EMVCo L1 3.0a

Optional external combined contact/magnetic stripe reader