



PayCert
48 rue Montmartre
75002 Paris
France

Paris, March 20th, 2026

Ho&Bros Information Technology Co., Ltd.
Block 1, No.88, Kexin Rd, Xiangzhou District
Zhuhai 519060, Guangdong
P.R. CHINA

CPACE Functional Compliance Certificate - Card application

An  **ECPC** certification program

Certificate Number: **ECPC/PIC-00028**

Product: Pharos10 V1.0 (commercial identification)
Technical name: Pharos10 V1.0

Compliant with: CPACE Dual Interface Card Specification V1.1. September 2023

Dear Customer,

PayCert has received a request, submitted by Ho&Bros Information Technology Co., Ltd., your company, for the Certification of the Card application product Pharos10 V1.0 (Application: HOT-CPACE-DIC V1.1, OS: HOT_Sec_COS v1.0 (JavaCard v3.0.4, GP v2.2.1); IC Type: THD89-F350A Rev.1.0), hereafter referred to as the Product and identified above as “Pharos10 V1.0”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as 0A.0048.25012300B dated 2025/11/24 and we have assessed your Test Report(s) (ref. ELITT/LAB/ECA/RDT/FECP/ECP-HOB-25-11-12-01 V1.0 dated 2026/03/06), which was generated by ELITT, following the Test Plan “CPACE Dual Interface Card - CPACE DIC test plan V1.15 (Mar. 2025)”.

Based on these elements, as indicated in PayCert’s Certification Report (ref. CPACE/EVR/CAR/2026-056 v1.0.0) the Certification Body has found reasonable evidence that the submitted samples of the Product comply with the “CPACE Dual Interface Card Specification V1.1. September 2023”.

The Certification Body hereby grants the Product Certification of compliance with the requirements stated by the “CPACE Dual Interface Card Specification V1.1. September 2023” and will include your Product in the certified products list, published on ECPC website (www.europeancardpaymentcooperation.eu).



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

i) The present Certification is granted on the basis of the ECPC - PRODUCT (CARD Application-POS Kernel-MPA) - Certification Framework v1.8.0 and therefore is valid as of today.

ii) With regard to this certification, neither ECPC nor PayCert as the Certification Body do accept any liability for direct or indirect losses, caused by operating the Product in the field.

iii) If the Product is changed, Ho&Bros Information Technology Co., Ltd. must notify the Certification Body of this fact in writing. Any change in the Product that may generate a different behaviour with respect to the "CPACE Dual Interface Card Specification V1.1. September 2023" 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.

iv) The present Certification granted to Ho&Bros Information Technology Co., Ltd. for the above referenced Product is non-transferable to any other vendor.

v) The Certification Body has the right to terminate or revoke the Certification in case any of the aforementioned terms and conditions found to not be respected.

This letter is valid as a proof of certification while the certificate number is posted on the ECPC website.

Name: Laurence Masson

Title: Chief Operating Officer



Accréditation n°5-0673
Portée disponible sur
www.cofrac.fr

Product information:

CPACE application name : HOT-CPACE-DIC V1.1
Chip provider & identifier : Tongxin Microelectronics Co., Ltd. - THD89-F350A Rev.1.0
Operating System : HOT_Sec_COS v1.0 (JavaCard v3.0.4, GP v2.2.1)
Contact protocol: T=0
Contactless protocol: Type A
Contactless antenna: P10-6-3Q4-PVC-D-01 - 3/4 Antenna

Note: ICS to be provided upon request by the Vendor in order to get the complete characteristics of the Product (see abstract in Annex A).



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Annex A (extract from ICS '0A.0048.25012300B dated 2025/11/24')

Get Data

Is the product able to retrieve the following primitive tag?

Tag	Data element	Get Data
C1	Application Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9F7E	Application Life Cycle	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9F36	Application Transaction Counter	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9F4F	Log Format	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C3	Number of Days Offline Limit	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9F50	Offline Balance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C9	Offline Balance Currency Code	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9F17	PIN Try Counter	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C2	Profile Selection File Entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C4	Security Limits Status	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C5	Security Limits	Not Supported
9F77	VLP Funds Limit	Not Supported
9F78	VLP Single Transaction Limit	Not Supported
E2	Additional Security Limits	Not Supported
D8	Additional Security Limits Status	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D6	AID-Interface File Entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E0	Contactless Command Access Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D4	Contactless Control - Application	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D3	Contactless Control - Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D1	Dynamic Issuer Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D0	Static Issuer Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D9	RRP Configuration File Entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
DA	Biometric Verification Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
DB	Biometric Verification Try Limit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Is the product able to retrieve the following template tag?

Tag	Data element	Get Data
BF30	Accumulators Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF31	Accumulators Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF32	Accumulator x Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF33	Additional Check Tables	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF41	AIP/AFL Entries	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF34	CIACs Entries	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF35	Counters Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF36	Counters Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF37	Counter Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF38	Currency Conversion Tables	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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BF39	Cyclic Accumulators Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3A	Cyclic Accumulator Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF42	Cyclic Accumulator Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3E	GPO Parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3B	Issuer Options Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3C	Limits Entries	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF40	Log Data Tables	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3D	MTA Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3F	Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Scripting

Is the product able to update the following primitive tag?

Tag	Data element	Full update	Partial Update
C1	Application Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9F7E	Application Life Cycle	Not Supported	Not Supported
9F36	Application Transaction Counter	Not Supported	Not Supported
9F4F	Log Format	Not Supported	Not Supported
C3	Number of Days Offline Limit	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9F50	Offline Balance	Not Supported	Not Supported
C9	Offline Balance Currency Code	Not Supported	Not Supported
9F17	PIN Try Counter	Not Supported	Not Supported
C2	Profile Selection File Entry	Not Supported	Not Supported
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9F78	VLP Single Transaction Limit	Not Supported	Not Supported
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D6	AID-Interface File Entry	Not Supported	Not Supported
E0	Contactless Command Access Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D4	Contactless Control – Application	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D3	Contactless Control – Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D1	Dynamic Issuer Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D0	Static Issuer Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D9	RRP Configuration File Entry	Not Supported	Not Supported
DA	Biometric Verification Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
DB	Biometric Verification Try Limit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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BF33	Additional Check Tables	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF41	AIP/AFL Entries	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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BF35	Counters Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF36	Counters Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF37	Counter Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF38	Currency Conversion Tables	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF39	Cyclic Accumulators Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3A	Cyclic Accumulator Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF42	Cyclic Accumulator Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3E	GPO Parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3B	Issuer Options Profile Controls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BF3C	Limits Entries	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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