



PayCert
48 rue Montmartre
75002 Paris
France

Paris, 21/06/2022

Mrs. Claude GIRE
Paragon ID
Parc d'activité de l'Argile, Lot 123 - Voie K
460 Avenue de Quiera
06370 Mouans-Sartoux
France

CEN TS 16794 Compliance Certificate - PICC

A Smart Ticketing Alliance certification program

Certificate Number: CNAPC/PIC-00022
Product/System name: TanGO+ Flash Contactless type B (commercial identification)
Compliant with : CEN/TS 16794-1:2017
Operational temp. range : Class I (-10°C to +50°C)
ISO 14443 antenna class : Class 1
Protocol supported : type B

Dear Mrs.GIRE,

The Certification Body PayCert has received a request, submitted by Paragon ID, your company, for the Certification of the PICC product TanGO+ Flash Contactless type B (IC type: SLC32TDA180G5, Application Type: CLAP 1.1, Antenna : SLC32 SC-Class 1, Card body : PVC plastic), hereafter referred to as the Product and identified above as "TanGO+ Flash Contactless type B".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.PRG.PICC.CEN16794.2017.2019-028B and we have assessed your Test Report(s) (ref. (analog) : IC.E.RE.1912.028_v1.0), which was generated by ICUBE, following the Test Plan "CEN/TS 16794-2:2017".

Based on these elements, as indicated in PayCert's Certification Report (ref. CER/EVR/PIC/2020-011 v1.0.1) the Certification Body has found reasonable evidence that the submitted samples of the Product complies to the CEN/TS 16794-1:2017.

The Certification Body hereby grants the Product Certification of compliance with the requirements stated by the CEN/TS 16794-1:2017 standard and will include your Product in the certified products list, published on PayCert website (www.cna-paycert-certification.com).



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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 Smart Ticketing Alliance Certification Policy and therefore is valid as of today and will expire on the 29. January 2027.

ii) If the Product is changed, Paragon ID 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 CEN/TS 16794-1:2017 standard 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.

iii) The present Certification granted to Paragon ID for the above referenced Product is non-transferable to any other vendor.

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. CER/CLE/PIC/2020-011 v2.1.1 issued on 19/01/2022**

Name: Ludovic VERECQUE

Title: General Manager



Accréditation n°5-0563
Portée disponible sur
www.cofrac.fr



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1.1 PICC Product Description

[PICC1] Administrative data

[PICC1.1] (*) Brand name: TanGO+ Flash

[PICC1.2] (*) Trade name: TanGO+ Flash

[PICC1.3a] (*) Hardware version: N/A

[PICC1.3b] (*) Software version: v2

[PICC1.4] (*) PICC features ISO/IEC 7816 contact interface (dual): Yes No

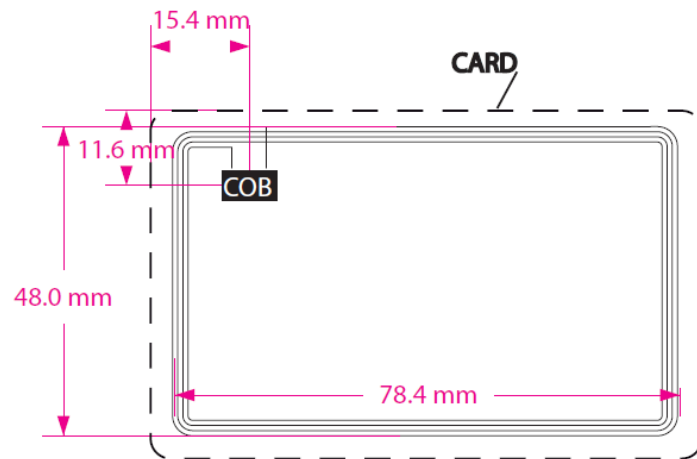
[PICC1.5] (*) IC manufacturer: Infineon

[PICC1.6] (*) IC reference / size: SLC32TDA180G5 / 180 Kbytes

1.2 PICC General Technical Characteristics

[PICC2] General technical characteristics

[PICC2.2] (*) Reference of PICC Zero Point (target ID-marked on sample or photo or diagram):



Number of Turn: 4
wire diameter: 0.112mm
Pitch center to center 0.8mm

Center of the card

[PICC2.3] (*) Operational temperature range supported:

- Class A (Ambient)
 Class I (-10 °C to + 50 °C)

[PICC2.4] (*) Antenna class according to ISO/IEC 14443:

- Unclassified "Class 1" "Class 2" "Class 3"



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1.3 PICC Supported Options

[PICC3] Protocol characteristics

[PICC3.1] (*) Protocol(s) supported: Type A Type B Other: [Click here to enter text.](#)

[PICC5] Type B (where applicable)

[PICC5.1] (*) PCD -> PICC bit rates supported: fc/128 (~106 kbit/s)

Other: fc/64 (212 kbit/s), fc/32 (424 kbit/s)

[PICC5.2] (*) PICC -> PCD bit rates supported: fc/128 (~106 kbit/s)

Other: fc/64 (212 kbit/s), fc/32 (424 kbit/s)

[PICC5.3] (*) Only symmetrical bit rates supported: Yes No

[PICC5.4] (*) PUPI value: Fixed number Random number

[PICC5.9] (*) Extended ATQB support: Yes No

If yes, SFGI: 0

[PICC5.10] (*) S(PARAMETERS) support: Yes No

[PICC5.11] (*) All AFIs are supported: Yes No

If not, indicate all supported AFI(s): 00, 10

[PICC5.12] (*) REQW/WUPB with N > 1 support: Yes No