

Date: November 30, 2022



Xavier Clarke
Flowbird SAS
6 rue Isaac Newton
Besancon 25075
FRANCE

Re: ***EMVCo Letter of Approval – Terminal Contactless Product***

Product Name: A1000
Product Version: F
Approval Number: TCP_LOA_PARK_00104
Product Configuration: Single Component Intelligent Card Reader
Architecture Type: Modular

Renewal Date: September 22, 2026

This LoA is valid only with the below configuration

Hardware Identification

<i>Hardware Product Name</i>	<i>Hardware Product Version</i>	<i>Type of Component</i>
BV1000CL HCT	R01-04	Card Reader

Contactless Identifications

<i>LoA reference(s) contactless L1:</i>	16929 0320 260 26b 26b LGAI
<i>EMV Approved ICS reference Book A&B:</i>	TCP_ICS_PARK_00104_70
<i>EMV Approved ICS reference C-2:</i>	TCP_ICS_PARK_00104_71
<i>EMV Approved ICS reference C-3:</i>	TCP_ICS_PARK_00104_51
<i>EMV Approved ICS reference C-4:</i>	TCP_ICS_PARK_00104_65
<i>EMV Approved ICS reference C-6:</i>	TCP_ICS_PARK_00104_54
<i>EMV Approved ICS reference C-7:</i>	TCP_ICS_PARK_00104_69

Contact Identifications

<i>LoA reference(s) contact L1:</i>	No IFM in current Product
<i>LoA reference(s) contact L2:</i>	No Contact Level 2 Kernel in current Product

Approved Module(s)

	Vendor Module ID	Checksum	Specification Version
Book A&B	EntryPoint Version v1.3	e32011feec8430c4f0a3041d787de3e22f71868a	2.10
Book C-2	Kernel C2 Version v2.0	C32CEE93398D9C2515B9C8A94C9000745BC36FDA	v2.10
Book C-3	Kernel C3 Version v1.4	12B741E800BF66C2662A7E829D6BEF4A09EAEA64	v2.9
Book C-4	Kernel C4 Version v2.0	F87F11BE5C172D4F1B338FBC7FD781BB31F3F143	v2.10
Book C-6	Kernel C6 Version v1.0	DDAC30A262DBB0C1DDDB7900523F1B3D8F2F382B	v2.9
Book C-7	Kernel C7 Version v1.0	4191f23d05a72a0fd12144e315667cb557ec28d0	v2.9

Dear Xavier Clarke,

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for Level 2 Contactless Terminal Type Approval for the EMV Product identified above. In connection with your request, we have reviewed all test file.

After assessing such file(s), EMVCo has found reasonable evidence that the submitted samples of the above referenced Product sufficiently conforms to the specification versions listed in the Approved Module(s) table on page 2.

EMVCo hereby (a) grants your Product EMVCo Type Approval for Contactless Product, based on the requirements stated in those specifications, and (b) agrees to include your Product in the EMVCo approved Product list.

EMVCo's grant to your Product is subject to and specifically incorporates (i) the General Terms and Conditions to the Letter of Approval enclosed as Exhibit A, and (ii) the Specific Terms and Conditions to the Letter of Approval attached hereto as Attachment 1. Because EMVCo's grant is subject to such limitations, including certain events of termination, you and any third parties should confirm that such approval is current and has not been terminated by referring to the list of approved Products published on the EMVCo website (www.emvco.com).

This Letter of Approval is valid while the approval number is posted on the EMVCo website.

EMVCo, LLC, a Delaware limited liability company

By:

Name: Frédéric Fortin

Title: EMVCo Terminal Type Approval Chair

Attachment 1

Specific Terms and Conditions to the Letter of Approval

Restriction:

None

Comments:

About Kernel C3: This product is tested for offline/online configuration.