February 24, 2025



Tibi Zhang

FEITIAN Technologies Co., Ltd.

F/17 Tower B Huizhi Mansion No. 9 Xueqing road

Haidian District

Beijing 100085

China

Re: EMVCo Letter of Approval - Contact Terminal Level 2 - Restricted Renewal

EMV Application Kernel: libemy Version V4.3j_2.0.1

Approval Number(s): **2-04814-1-1C-LGAS-0421-4.3j**

2-04814-1-2C-LGAS-0421-4.3j 2-04814-1-1OS-LGAS-0421-4.3j

The EMV Application Kernel has been tested on the following terminal

Terminal: F300 PinPad: n/a

Operating System: **10S = FT_POS_OS Version 2.1.1**

Expiry Date: **01-Jan-2028**

Report ID Session 1: SETFTAFTS001 Version M0 - Applus (Shanghai) Quality Inspection Co., Ltd.

Kernel Checksum:

DB862160

Configurations Checksums:

Config	Vendor Config ID	Terminal	Checksum
1C	C1	22	9D5343CF
2C	C2	22	62063EA5

Dear Tibi Zhang:

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for Level 2 terminal type approval for the EMV Application Kernel identified above (hereafter refered to as the "Application"). In connection with your request, we have reviewed all test file number(s) listed above.

After assessing such file(s), EMVCo has found reasonable evidence that the submitted samples of the above referenced Application sufficiently conform to EMV Integrated Circuit Card Specifications for Payment Systems, Version 4.4 of October 2022.

EMVCo hereby grants your Application EMVCo Type Approval for Terminal Level 2 Restricted Renewal, based on the requirements stated in the EMV 4.4 Specifications. Please note that EMVCo may publish this letter and publicly identify your Application as an approved Application, including in EMVCo's published list of approved Applications. According to EMVCo Restricted Renewal policy the extension to the original Type Approval is granted for a period of three years. At the end of that additional validity period the Application Kernel will expire and cannot be submitted for another renewal.

EMVCo's grant to your Application 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 Applications published on the EMVCo website (www.emvco.com).

Please note that EMVCo makes certain logos available for use in connection with an Application that has received EMVCo approval. To obtain permission to use the "EMV Approved" certification mark, please contact EMVCo to request a license agreement.

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

Authorised by Frédéric Fortin Terminal Testing Group Chair EMVCo, LLC

Note:

The Random Number Generator and the Cryptographic Functions are part of the EMV specifications. This Contact Level 2 Kernel utilizes a specific Hardware component in the tested terminal to generate random numbers and/or Cryptographic Functions. To be EMV compliant, this Contact Level 2 Kernel shall be used in conjunction with terminals having this specific Hardware component.

Terminal Capabilities	1C	2C								
Card Data Input Capability										
Terminal Type	22	22								
Manual Key Entry	No	No								
Magnetic Stripe	Yes	Yes								
IC with Contacts	Yes	Yes								
CVM Capability										
Plaintext PIN	Yes	Yes								
Online Enciphered PIN	Yes	No								
Signature (Paper)	Yes	Yes								
Offline Enciphered PIN (RSA)	Yes	Yes								
No CVM	Yes	Yes								
Offline Enciphered PIN (ECC)	No	No								
Biometric	No	No								
Offline Finger	No	No								
Online Finger	No	No								
Offline Facial	No	No								
Online Facial	No	No								
Offline Palm	No	No								
Online Palm	No	No								
Offline Iris	No	No								
Online Iris	No	No								
Offline Voice	No	No								
Online Voice	No	No								
Security Capability							II.	II.		
SDA & DDA	Yes	Yes								
Card Capture	No	No								
CDA	Mode 1	Mode 1								
XDA	No	No								
Transaction Type Capability		l	II.	1	1	II.			1	l
Tran Type - Cash	No	No								
Tran Type - Goods	Yes	Yes								
Tran Type - Services	Yes	Yes								
Tran Type - Cash Back	No	No								
Tran Type - Inquiry	No	No								
Tran Type - Transfer	No	No								
Tran Type - Payment	No	No								
Tran Type - Admin	No	No								
Tran Type - Cash Deposit	No	No								
Terminal Data Input Capability		1		1	1	1	.1		1	1
Keypad	No	No								
Numeric Keys	No	No								
Alpha and Special Character Keys	No	No								
Command Keys	No	No								
Function Keys	No	No								

(continued)	1C	2C						
Terminal Data Output Capabil	ity							
Print, Attendant	Yes	Yes						
Print, Cardholder	No	No						
Display, Attendant	Yes	Yes						
Display, Cardholder	No	No						
Code Table 10	No	No						
Code Table 9	No	No						
Code Table 8	No	No						
Code Table 7	No	No						
Code Table 6	No	No						
Code Table 5	No	No						
Code Table 4	No	No						
Code Table 3	No	No						
Code Table 2	No	No						
Code Table 1	Yes	Yes						
Application Selection								
PSE	Yes	Yes						
Cardholder Confirmation	Yes	Yes						
Preferred display order	No	No						
Partial AID Selection	Yes	Yes						
Multi language	Yes	Yes						
EMV Language Selection method	Yes	Yes						
Common Character Set	Yes	Yes						
Data Authentication								
MAX CA Public key	248	248						
Exponents	3 and	3 and						
Revocation of Issuer PK Certificate	2^16+1 Yes	2^16+1 Yes						
Certificate Revocation List Format	RID+CA Public Key Index+Certifi	RID+CA Public Key Index+Certifi cate Serial Number						
Default DDOL	Yes	Yes						
Cardholder Verification Metho	d				1			
Bypass PIN Entry	Yes	Yes						
Subsequent Bypass PIN Entry	Yes	Yes						
Get Data for PIN Try Counter	Yes	Yes						
Fail CVM	Yes	Yes						
Amount known before CVM proces.	Yes	Yes						
Terminal Risk Management								
Floor Limit Checking	Yes	Yes						
Random Transaction Selection	Yes	Yes						
Velocity Checking	Yes	Yes						
Transaction Log	Yes	Yes						
Exception File	Yes	Yes						
•		1		1	1	1	+	1

(continued)	1C	2C								
Terminal Action Analysis										
Terminal Action Codes supported	Yes	Yes								
TAC can be deleted or disabled	Yes	Yes								
How does offline only Terminal process Default Action Codes?	N/A	N/A								
How does online only terminal process TAC/IAC-Default when unable to go online?	N/A	N/A								
Completion Processing					1		1		1	
Forced Online	Yes	Yes								
Forced Acceptance	Yes	Yes								
Voice Referrals Initiated by Issuer	Yes	Yes								
Default TDOL	Yes	Yes								
Default TDOL not configured	Yes	Yes								
Exception Handling	l	II.	"	"		1	1	l		I
POS Entry Mode	80	80								
Miscellaneous				1						
Amount and PIN on same keypad	No	No								
ICC/Magstripe Reader Combined	No	No								
Supports account type selection	No	No								
Supports 'on fly' script processing	No	No								
Issuer Script device limit > 128 bytes	Yes	Yes								
If limit > 128, value supported?	0	0								
Internal Date Management	Yes	Yes								
Does the terminal support Receipt?	Yes	Yes								

Attachment 1 Specific Terms and Conditions to the Letter of Approval

Restriction:
None
Conditions:
SB272 is not supported. Kernel treats year 'YY' associated with Application Expiration and Certificate Expiration dates in the range of 50-99 as 1950-1999. Contact Vendor for more information.