

# UnionPay EMV™ Test Card Set Summary

Version 2.11

June 2019



#### **Disclaimer**

Information provided in this document describes capabilities available at the time of developing and delivering this document and the associated test cards and information available from industry sources. This document is intended to be used as a guideline only and B2 Payment Solutions, Inc. and/or its affiliates accept no liability for any errors or omissions in this document and/or for any results of client's reliance thereon.

#### Copyright

© 2017 by B2 Payment Solutions, Inc. All rights reserved. All information and data contained herein and within the associated test cards is confidential and proprietary to B2 Payment Solutions. Such information shall not be disclosed, duplicated, reverse-engineered or used in part or in whole, for any purpose without prior written consent from B2 Payment Solutions, Inc. other than specific internal, non-commercial, non-assignable use in conjunction with the Union Pay EMV™ Test Card Set (4 cards) only.

#### **Attribution**

EMV™ is a trademark owned by EMVCo LLC.

The trademarked symbol seen below is a registered trademark of UnionPay International Co., Ltd.



#### **B2 Contact Information**

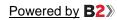
251 Consumers Road, Suite 1200, Toronto, ON M2J 4R3 555 Northpoint Center, Suite 400, Alpharetta, GA 30022 Tel: 416.730.9827 www.b2ps.com

### **Revision History**

Version	Date	Updated By	Revisions
1.00	July 21 , 2017	B2PS	Initial document release
2.00	August 15, 2018	B2PS	<ul> <li>Set v9.2</li> <li>FT05, FT25, FT26 - Language preference (5F2D) change from 'cn' to 'zh' (Not visible in this document)</li> </ul>
2.10	March 6, 2019	B2PS	Added PIN Value advisory
2.11	June 18, 2019	B2PS	Set references to "UL" removed. No change to cards themselves.

### **Table of Contents**

Chapter 1 -	UnionPay	r EMV™ Test Card Set Profiles2
1.1	Test Card F	T05 - UnionPay, CO, 1-AID, English, CHN, CNY
	1.1.1	Contact Interface: CVM List - UnionPay, AID A000000333010103, EMV
	1.1.2	Contact Interface: CVM List - UnionPay, AID A000000333010103, Low-Value
	1.1.3	Contact Interface: CVM List - UnionPay, AID A000000333010103, Low-Value, Dual-Currency
1.2	Test Card F	T21 - UnionPay, CO, 1-AID, English, CHN, CNY
	1.2.1	Contact Interface: CVM List - UnionPay, AID A000000333010101, EMV
	1.2.2	Contact Interface: CVM List - UnionPay, AID A000000333010101, Low-Value
	1.2.3	Contact Interface: CVM List - UnionPay, AID A000000333010101, Low-Value, Dual-Currency
1.3	Test Card F	T25 - UnionPay, CO, 1-AID, Chinese, CHN, CNY
	1.3.1	Contact Interface: CVM List - UnionPay, AID A000000333010102, EMV
	1.3.2	Contact Interface: CVM List - UnionPay, AID A000000333010102, Low-Value
	1.3.3	Contact Interface: CVM List - UnionPay, AID A000000333010102, Low-Value, Dual-Currency
1.4	Test Card F	T26 - UnionPay, CO, 2-AID, Chinese, CHN, CNY
	1.4.1	Contact Interface: CVM List - UnionPay, AID A000000333010101, EMV
	1.4.2	Contact Interface: CVM List - UnionPay, AID A000000333010101, Low-Value
	1.4.3	Contact Interface: CVM List - UnionPay, AID A000000333010101, Low-Value, Dual-Currency
	1.4.4	Contact Interface: CVM List - UnionPay, AID A000000333010108, EMV
	1.4.5	Contact Interface: CVM List - UnionPay, AID A000000333010108, Low-Value
	1.4.6	Contact Interface: CVM List - UnionPay, AID A000000333010108, Low-



#### **CAUTION**

Multiple consecutive incorrect PIN entry attempts may result in the card being blocked.

This is known as being 'PIN Blocked'.

If this occurs, it will no longer be possible to enter an Offline PIN, which will cause all future transactions to be declined.

\*\*\* It is not possible to unblock a 'PIN Blocked' card \*\*\*

#### **PIN Values**

The default PIN value for UnionPay test cards is '111111'. This may not be applicable in all test scenarios or host environments.

### Chapter 1 - UnionPay EMV™ Test Card Set Profiles

This UnionPay EMV™ Test Card Set contains 4 EMV test cards.



	Test Card FT05	Test Card FT21	Test Card FT25
Brand	UnionPay	UnionPay	UnionPay
Description (Card - Types)	Credit	Debit	Credit
AID list	A000000333010103	A000000333010101	A000000333010102
PAN list	6210 9480 0000 0052	6210 9480 0000 0219	6210 9480 0000 0250
Expiry Date	10/2030	10/2030	10/2030
Service Code	220	220	220
Interface	Contact, MSR	Contact, MSR	Contact, MSR
CVM	See card definition	See card definition	See card definition
Approval Amount	\$10.00	\$10.00	\$10.00
Issuer Country Code	156 - CHN	156 - CHN	156 - CHN
Application Currency Code	156 -CNY	156 - CNY	156 - CNY
Language	'zh' - Chinese	ʻzhen' - Chinese, English	'zh' - Chinese
Card Version	v9.2	v9.2	v9.2

Powered by **B2** 

	Test Card FT26
Brand	UnionPay
Description (Card - Types)	Credit / Debit - U.S. use only
AID list	A000000333010101 A000000333010108
PAN list	6210 9480 0000 0268
Expiry Date	10/2030
Service Code	220
Interface	Contact, MSR
CVM	See card definition
Approval Amount	\$10.00
Issuer Country Code	156 - CHN 840 - USA
Application Currency Code	156 - CNY 840 - USD
Language	'zh' - Chinese
Card Version	v9.2

#### 1.1 Test Card FT05 - UnionPay, CO, 1-AID, English, CHN, CNY

A contact-only, single-AID(UnionPay) credit card with an Issuer Country Code of 'China' and Currency Code of 'CNY'. Languages supported include Chinese.

The recommended transaction amount to generate a host approval is \$10.00.

#### 1.1.1 Contact Interface: CVM List - UnionPay, AID A000000333010103, EMV

Cardholder Verification Method List ('5E03 4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Signature (paper)	Terminal supports CVM type	Next CVM	
2	Online PIN	Terminal supports CVM type	Next CVM	
3	No CVM required	Always	Fail	

### 1.1.2 Contact Interface: CVM List - UnionPay, AID A000000333010103, Low-Value

Cardholder Verification Method List ('5E03 4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Signature (paper)	Terminal supports CVM type	Next CVM	
2	Online PIN	Terminal supports CVM type	Next CVM	
3	No CVM required	Always	Fail	

# 1.1.3 Contact Interface: CVM List - UnionPay, AID A000000333010103, Low-Value, Dual-Currency

Cardholder Verification Method List ('5E03 4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Signature (paper)	Terminal supports CVM type	Next CVM	
2	Online PIN	Terminal supports CVM type	Next CVM	
3	No CVM required	Always	Fail	

Powered by **B2**»

#### 1.2 Test Card FT21 - UnionPay, CO, 1-AID, English, CHN, CNY

A contact-only, single-AID(UnionPay) credit card with an Issuer Country Code of 'China' and Currency Code of 'CNY'. Languages supported are Chinese and English.

The recommended transaction amount to generate a host approval is \$10.00.

#### 1.2.1 Contact Interface: CVM List - UnionPay, AID A000000333010101, EMV

Cardholder Verification Method List ('5E03 4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Signature (paper)	Terminal supports CVM type	Next CVM	
2	Online PIN	Terminal supports CVM type	Next CVM	
3	No CVM required	Always	Fail	

### 1.2.2 Contact Interface: CVM List - UnionPay, AID A000000333010101, Low-Value

Cardholder Verification Method List ('5E03 4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Signature (paper)	Terminal supports CVM type	Next CVM	
2	Online PIN	Terminal supports CVM type	Next CVM	
3	No CVM required	Always	Fail	

# 1.2.3 Contact Interface: CVM List - UnionPay, AID A000000333010101, Low-Value, Dual-Currency

Cardholder Verification Method List ('5E03 4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Signature (paper)	Terminal supports CVM type	Next CVM	
2	Online PIN	Terminal supports CVM type	Next CVM	
3	No CVM required	Always	Fail	

Powered by **B2** 

#### 1.3 Test Card FT25 - UnionPay, CO, 1-AID, Chinese, CHN, CNY

A contact-only, single-AID(UnionPay) credit card with an Issuer Country Code of 'China' and Currency Code of 'CNY'. Languages supported include Chinese.

The recommended transaction amount to generate a host approval is \$10.00.

#### 1.3.1 Contact Interface: CVM List - UnionPay, AID A000000333010102, EMV

Cardholder Verification Method List ('5E03 4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Signature (paper)	Terminal supports CVM type	Next CVM	
2	Online PIN	Terminal supports CVM type	Next CVM	
3	No CVM required	Always	Fail	

### 1.3.2 Contact Interface: CVM List - UnionPay, AID A000000333010102, Low-Value

Cardholder Verification Method List ('5E03 4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Signature (paper)	Terminal supports CVM type	Next CVM	
2	Online PIN	Terminal supports CVM type	Next CVM	
3	No CVM required	Always	Fail	

### 1.3.3 Contact Interface: CVM List - UnionPay, AID A000000333010102, Low-Value, Dual-Currency

Cardholder Verification Method List ('5E03 4203 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Signature (paper)	Terminal supports CVM type	Next CVM
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Always	Fail

Powered by **B2**»

#### 1.4 Test Card FT26 - UnionPay, CO, 2-AID, Chinese, CHN, CNY

A contact-only, Dual-AID(UnionPay) credit card with an Issuer Country Code of 'China' and Currency Code of 'CNY'. Languages supported include Chinese. FOR USE IN U.S. ONLY.

The recommended transaction amount to generate a host approval is \$10.00.

#### 1.4.1 Contact Interface: CVM List - UnionPay, AID A000000333010101, EMV

Cardholder Verification Method List ('4203 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Terminal supports CVM type	Next CVM
2	No CVM required	Always	Fail

### 1.4.2 Contact Interface: CVM List - UnionPay, AID A000000333010101, Low-Value

Cardholder Verification Method List ('4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Online PIN	Terminal supports CVM type	Next CVM	
2	No CVM required	Always	Fail	

### 1.4.3 Contact Interface: CVM List - UnionPay, AID A000000333010101, Low-Value, Dual-Currency

Cardholder Verification Method List ('4203 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Terminal supports CVM type	Next CVM
2	No CVM required	Always	Fail

#### 1.4.4 Contact Interface: CVM List - UnionPay, AID A000000333010108, EMV

Cardholder Verification Method List ('4203 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
2	No CVM required	Always	Fail

### 1.4.5 Contact Interface: CVM List - UnionPay, AID A000000333010108, Low-Value

Cardholder Verification Method List ('4203 1F00')				
CVM	Verification Method	Conditions	If unsuccessful	
1	Online PIN	Terminal supports CVM type	Next CVM	
2	No CVM required	Always	Fail	

### 1.4.6 Contact Interface: CVM List - UnionPay, AID A000000333010108, Low-Value, Dual-Currency

Cardholder Verification Method List ('4203 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Terminal supports CVM type	Next CVM
2	No CVM required	Always	Fail

Powered by **B2** Page 7