

# JCB Approved Product List –JavaCard –

June 2008



The table below shows the products which obtained JCB Approval and whose J/Smart application is authorized by JCB.

\* The product details below are based on the information from each vendor via "Application Form for JCB IC Card Approval Test Program".

Please note that some approved products may not appear on this list. For further information including the contents in the "Remarks/Other Applications", please contact the vendors directly.

\* The latest list is available on the following URL.<http://www.jcb-global.com/english/solution/jsmart/products.html>

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JCB Reference Number	Vendor	Product Name	Java Information		Chip Information					J/Smart Information							Remarks/ Other applications		
			JavaCard Specification Version Number	OP/GP Specification Version Number	Chip Manufacturer	Chip Name	ROM (K)	EEPROM (K)	Transmission Protocol	JCB IC Card Specification Version Number	J/Smart Applet Package Version (V->Vendor Original)	Function						Cirrus ATM Information	
												Offline Data Authentication			CVM				M/Chip Version
												SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification			
JJ-001	Axalto	Protect V4	2.1.1	2.0.1	Infineon Technologies AG	SLE66CX320P	64	32	T=0	2.0	2.3	✓	✓	✓	✓	✓		J/Smart Applet in EEPROM	
JJ-002	Axalto	Protect V4	2.1.1	2.0.1	Infineon Technologies AG	SLE66CX320P	64	32	T=1	2.0	2.3	✓	✓	✓	✓	✓		J/Smart Applet in EEPROM	
JJC-001	Axalto	Classic V3	2.1.1	2.0.1	Renesas Technology Corp.	AE4501	128	16	T=0	2.0	2.3	✓	-	-	✓	-	2.1 Lite		
JJC-002	Axalto	Classic V3	2.1.1	2.0.1	Renesas Technology Corp.	AE4501	128	16	T=1	2.0	2.3	✓	-	-	✓	-	2.1 Lite		
JJC-003	Gemplus International S.A.	GemXpresso Lite	2.1.1	2.0.1	Philips	P5SC018	96	18	T=0	2.0	2.3	✓	-	-	✓	-	2.1 Lite		
JJC-004	Axalto	PalmeraProtect V5	2.1.1	2.0.1'	Renesas Technology Corp.	AE45C1	196	32	T=0	2.0	2.3	✓	✓	✓	✓	✓	2.1 Lite	SEED	
JJC-005	Axalto	PalmeraProtect V5	2.1.1	2.0.1'	Renesas Technology Corp.	AE45C1	196	32	T=1	2.0	2.3	✓	✓	✓	✓	✓	2.1 Lite	SEED	
JJC-006	Axalto	Palmera Classic V3	2.1.1	2.0.1	Renesas Technology Corp.	AE4501	128	20.8	T=0	2.0	2.3	✓	-	-	✓	-	2.1 Lite		
JJC-007	Axalto	Palmera Classic V3	2.1.1	2.0.1	Renesas Technology Corp.	AE4501	128	20.8	T=1	2.0	2.3	✓	-	-	✓	-	2.1 Lite		
JJC-008	Axalto	Palmera Classic V4	2.1.1	2.0.1'	Infineon	SLE66C327PE	136	32	T=0	2.0	2.6	✓	-	-	✓	-	4 Lite	SEED	
JJC-009	Axalto	Palmera Classic V4	2.1.1	2.0.1'	Infineon	SLE66C327PE	136	32	T=1	2.0	2.6	✓	-	-	✓	-	4 Lite	SEED	
JJC-010	Giesecke & Devrient GmbH	Sm@rtCafe Expert 2.0	2.1.1	2.0.1'	Infineon	SLE66C367PE	192	36	T=0	2.0	2.3	✓	-	-	✓	-	2.1 Lite 4 Lite	SEED, JBA	
JJC-011	Giesecke & Devrient GmbH	Sm@rtCafe Expert 2.0	2.1.1	2.0.1'	Infineon	SLE66C367PE	192	36	T=1	2.0	2.3	✓	-	-	✓	-	2.1 Lite 4 Lite	SEED, JBA	
JJC-012	Oberthur Card Systems	Money!C Cosmo Jsmart v3.6	2.1.1	2.0.1'	ATMEL	AT90SC12836RCT	128	36	T=0	2.0	2.3	✓	✓	✓	✓	✓	4 Lite 4 Select	IDone Lite, JBA	

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												Offline Data Authentication			CVM			
												SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification		
JJC-013	Oberthur Card Systems	MoneyIC Cosmo Jsmart v3.6	2.1.1	2.0.1'	ATMEL	AT90SC12836RCT	128	36	T=1	2.0	2.3	✓	✓	✓	✓	✓	4 Lite 4 Select	IDone Lite, JBA
JJC-014	Oberthur Card Systems	MoneyIC Cosmo Jsmart v3.6	2.1.1	2.0.1'	ATMEL	AT90SC12836RCT	128	18	T=0	2.0	2.3	✓	✓	✓	✓	✓	4 Lite 4 Select	IDone Lite, JBA
JJC-015	Oberthur Card Systems	MoneyIC Cosmo Jsmart v3.6	2.1.1	2.0.1'	ATMEL	AT90SC12836RCT	128	18	T=1	2.0	2.3	✓	✓	✓	✓	✓	4 Lite 4 Select	IDone Lite, JBA
JJC-016	TOSHIBA Corporation	Profinia JC31/72-11	2.2.1	2.1.1	Philips	P5CD072	160	72	T=0	2.0	V	✓	✓	✓	✓	✓	4 Select	
JJC-017	TOSHIBA Corporation	Profinia JC31/72-11	2.2.1	2.1.1	Philips	P5CD072	160	72	T=1	2.0	V	✓	✓	✓	✓	✓	4 Select	
JJC-018	Giesecke & Devrient GmbH	Sm@rtCafe Expert 2.1	2.1.1	2.0.1'	Infineon	SLE66CX360PE	192	36	T=0	2.0	2.3	✓	✓	✓	✓	✓	2.1 Lite 4 Select	SEED, JBA
JJC-019	Giesecke & Devrient GmbH	Sm@rtCafe Expert 2.1	2.1.1	2.0.1'	Infineon	SLE66CX360PE	192	36	T=1	2.0	2.3	✓	✓	✓	✓	✓	2.1 Lite 4 Select	SEED, JBA
JJC-020	Hismartech Co.,Ltd.	JNC08S 1.0	2.2	2.1.1	Samsung Electronics Co.,Ltd.	S3CC9E8	96	8	T=0	2.0	2.6	✓	-	-	✓	-	4 Lite	SEED, Korean Certificate, Korean ATM Card
JJC-027	Giesecke & Devrient GmbH	Sm@rtCafe Expert 2.2	2.1.1	2.0.1	Renesas	AE45X1C	144	36	T=1	2.0	2.6	✓	-	-	✓	-	2.1 Lite	Toppan CashOn