

JCB Approved Product List –JavaCard –

March 2010



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

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The Vendor shall be solely responsible for their products, regardless of JCB's Approval.

JCB Reference Number	Vendor	Product Name	Chip Information				J/Smart Information					Remarks/ Other applications		
			Chip Manufacturer	Chip Name	EEPROM (K)	Transmission Protocol	JCB IC Card Specification Version Number	Function						
								Offline Data Authentication			CVM		Cirrus ATM Information	
								SDA	DDA	CDA	Offline Plain Text PIN Verification			Offline Enciphered PIN Verification
JJ-001	Axalto	Protect V4	Infineon Technologies AG	SLE66CX320P	32	T=0	2.0	✓	✓	✓	✓	✓		J/Smart Applet in EEPROM
JJ-002	Axalto	Protect V4	Infineon Technologies AG	SLE66CX320P	32	T=1	2.0	✓	✓	✓	✓	✓		J/Smart Applet in EEPROM
JJC-001	Axalto	Classic V3	Renesas Technology Corp.	AE4501	16	T=0	2.0	✓	-	-	✓	-	2.1 Lite	
JJC-002	Axalto	Classic V3	Renesas Technology Corp.	AE4501	16	T=1	2.0	✓	-	-	✓	-	2.1 Lite	
JJC-003	Gemplus International S.A.	GemXpresso Lite	Philips	P5SC018	18	T=0	2.0	✓	-	-	✓	-	2.1 Lite	
JJC-004	Axalto	PalmeraProtect V5	Renesas Technology Corp.	AE45C1	32	T=0	2.0	✓	✓	✓	✓	✓	2.1 Lite	SEED
JJC-005	Axalto	PalmeraProtect V5	Renesas Technology Corp.	AE45C1	32	T=1	2.0	✓	✓	✓	✓	✓	2.1 Lite	SEED
JJC-006	Axalto	Palmera Classic V3	Renesas Technology Corp.	AE4501	20.8	T=0	2.0	✓	-	-	✓	-	2.1 Lite	
JJC-007	Axalto	Palmera Classic V3	Renesas Technology Corp.	AE4501	20.8	T=1	2.0	✓	-	-	✓	-	2.1 Lite	
JJC-008	Axalto	Palmera Classic V4	Infineon	SLE66C327PE	32	T=0	2.0	✓	-	-	✓	-	4 Lite	SEED

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								Offline Data Authentication			CVM			
								SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification		
JJC-009	Axalto	Palmera Classic V4	Infineon	SLE66C327PE	32	T=1	2.0	✓	-	-	✓	-	4 Lite	SEED
JJC-010	Giesecke & Devrient GmbH	Convego Join 2.0 (Sm@rtCafe Expert 2.0)	Infineon	SLE66C367PE	36	T=0	2.0	✓	-	-	✓	-	2.1 Lite 4 Lite	SEED, JBA
JJC-011	Giesecke & Devrient GmbH	Convego Join 2.0 (Sm@rtCafe Expert 2.0)	Infineon	SLE66C367PE	36	T=1	2.0	✓	-	-	✓	-	2.1 Lite 4 Lite	SEED, JBA
JJC-012	Oberthur Card Systems	MoneytIC Cosmo Jsmart v3.6	ATMEL	AT90SC12836RCT	36	T=0	2.0	✓	✓	✓	✓	✓	4 Lite 4 Select	IDone Lite, JBA
JJC-013	Oberthur Card Systems	MoneytIC Cosmo Jsmart v3.6	ATMEL	AT90SC12836RCT	36	T=1	2.0	✓	✓	✓	✓	✓	4 Lite 4 Select	IDone Lite, JBA
JJC-014	Oberthur Card Systems	MoneytIC Cosmo Jsmart v3.6	ATMEL	AT90SC12836RCT	18	T=0	2.0	✓	✓	✓	✓	✓	4 Lite 4 Select	IDone Lite, JBA
JJC-015	Oberthur Card Systems	MoneytIC Cosmo Jsmart v3.6	ATMEL	AT90SC12836RCT	18	T=1	2.0	✓	✓	✓	✓	✓	4 Lite 4 Select	IDone Lite, JBA
JJC-016	TOSHIBA Corporation	Profinia JC31/72-11	Philips	P5CD072	72	T=0	2.0	✓	✓	✓	✓	✓	4 Select	
JJC-017	TOSHIBA Corporation	Profinia JC31/72-11	Philips	P5CD072	72	T=1	2.0	✓	✓	✓	✓	✓	4 Select	
JJC-018	Giesecke & Devrient GmbH	Convego Join 2.1 (Sm@rtCafe Expert 2.1)	Infineon	SLE66CX360PE	36	T=0	2.0	✓	✓	✓	✓	✓	2.1 Lite 4 Select	SEED, JBA

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								Offline Data Authentication			CVM			
								SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification		
JJC-019	Giesecke & Devrient GmbH	Convego Join 2.1 (Sm@rtCafe Expert 2.1)	Infineon	SLE66CX360PE	36	T=1	2.0	✓	✓	✓	✓	✓	2.1 Lite 4 Select	SEED, JBA
JJC-027	Giesecke & Devrient GmbH	Convego Join 2.2 (Sm@rtCafe Expert 2.2)	Renesas	AE45X1C	36	T=1	2.0	✓	-	-	✓	-	2.1 Lite	Toppan CashOn
JJC-028	Dai Nippon Printing Co., Ltd.	DXV01 Ver 1.0	Renesas Technology Corp.	AE45X1C	36	T=1	2.0	✓	-	-	✓	-	2.1 Lite	JBA
JJC-029	Toshiba Corporation	PROFINIA JC31/36-20 Ver.1.0	NXP	P5CD036	36	T=0	2.0	✓	✓	✓	✓	✓	4 Select	Security Domain
JJC-030	Toshiba Corporation	PROFINIA JC31/36-20 Ver.1.0	NXP	P5CD036	36	T=1	2.0	✓	✓	✓	✓	✓	4 Select	Security Domain
JJC-031	Giesecke & Devrient GmbH	Convego Join 2.1 J30-20D-010 (Sm@rtCafe Expert 2.1 JCI20-1)	Infineon	SLE66CX206PE	20	T=1	2.0	✓	✓	✓	✓	✓	2.1Lite, 4Select	PalmVein FingerVein
JJC-034	Giesecke & Devrient GmbH	Convego Join 4.0 DI J30-36D-010 (Sm@rtCafe Expert 4.0 MDI36-1)	Infineon	SLE66CLX360PEM	36	T=0	2.0	✓	✓	✓	✓	-	4Select	Smart DC L 3.11 Smart DC Mods 1.0
JJC-035	Toshiba Corporation	PROFINIA JC31/36-40 Ver.1.0	NXP	P5CD036 V0S	36	T=0	2.0	✓	✓	✓	✓	✓	4Select	
JJC-036	Toshiba Corporation	PROFINIA JC31/36-40 Ver.1.0	NXP	P5CD036 V0S	36	T=1	2.0	✓	✓	✓	✓	✓	4Select	

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								SDA	DDA	CDA	Offline Plain Text PIN Verification			Offline Enciphered PIN Verification
JJC-037	Toshiba Corporation	PROFINIA JC31/72-20 Ver.1.0	NXP	P5CD072 V0P	72	T=0	2.0	✓	✓	✓	✓	✓	4Select	

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								SDA	DDA	CDA	Offline Plain Text PIN Verification			Offline Enciphered PIN Verification
JJC-038	Toshiba Corporation	PROFINIA JC31/72-20 Ver.1.0	NXP	P5CD072 V0P	72	T=1	2.0	✓	✓	✓	✓	✓	4Select	