

# JCB Approved Product List –Proprietary OS–

March 2010



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>

\* The Approval granted by JCB includes no warranties by JCB against any problem or risk arising in connection with the approved product.

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

JCB Reference No.	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						Cirrus ATM Information
								Offline Data Authentication			CVM			
								SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification		M/Chip Version
JN-001	JCB Co., Ltd.		Renesas Technology Corp.	H8/3161	4	T=1	1.0	✓	-	-	✓	-	-	
JN-002	JCB Co., Ltd.		ST Microelectronics N.V.	ST19KF16	16	T=1	1.0	✓	-	-	✓	-	-	
JN-003	JCB Co., Ltd. Dai Nippon Printing Co., Ltd.	JCC03	Renesas Technology Corp.	H8/3161	4	T=1	1.0	✓	-	-	✓	-	-	Loyalty ID Application
JN-005	JCB Co., Ltd. Dai Nippon Printing Co., Ltd.	DPJ01	Renesas Technology Corp.	H8/3161	4	T=1	1.0	✓	-	-	✓	-	-	JPA
JN-013	TOSHIBA Corporation	FSΣ-J Ver.1.04a	TOSHIBA Corporation	T6N90	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, D/Smart, SPL, JBA
JN-015	Toppan Printing Co., Ltd.	TJPCES	Renesas Technology Corp.	AE45C	32	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, ETC
JN-016	Dai Nippon Printing Co., Ltd.	JIM02/JIMz2	Renesas Technology Corp.	AE43	8.5	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, D/Smart, JBA
JN-017	TOSHIBA Corporation	FSΣ-J Ver.1.03	TOSHIBA Corporation	T6N55	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, D/Smart,SPL,JBA,ETC
JN-025	Toppan Printing Co., Ltd.	NIS906E3	Infineon Technologies AG	SLE66C82P	8	T=1	2.0	✓	-	-	✓	-	2.1 Lite	JPA, JBA
JN-027	Dai Nippon Printing Co., Ltd.	FeliCa/D.pac 2.0	Infineon Technologies AG	SLE66CLX160PS	16	T=1	2.0	✓	-	-	✓	-	4 Lite	JPA

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								Offline Data Authentication			CVM			
								SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification	M/Chip Version	
JN-029	Toshiba Corporation	FSΣ-J07z Ver.1.0	Toshiba Corporation	T6NC9	8	T=0	2.0	✓	✓	✓	✓	✓	2.1 Lite	
JN-030	Toshiba Corporation	FSΣ-J07z Ver.1.0	Toshiba Corporation	T6NC9	8	T=1	2.0	✓	✓	✓	✓	✓	2.1 Lite	ETC, SPL, ID
JN-031	Toshiba Corporation	FSΣ-J08 Ver. 1.0	Toshiba Corporation	T6NC9	8	T=0	2.0	✓	✓	✓	✓	✓	4 Select	ETC JPA
JN-032	Toshiba Corporation	FSΣ-J08 Ver. 1.0	Toshiba Corporation	T6NC9	8	T=1	2.0	✓	✓	✓	✓	✓	4 Select	ETC JPA
JN-033	Toshiba Corporation	FSΣ-J08 Ver. 3.0	Toshiba Corporation	T6NC9	8	T=0	2.0	✓	✓	✓	✓	✓	4 Select	ETC JBA JPA
JN-034	Toshiba Corporation	FSΣ-J08 Ver. 3.0	Toshiba Corporation	T6NC9	8	T=1	2.0	✓	✓	✓	✓	✓	4 Select	ETC JBA JPA
JN-037	Toppan Printing Co., Ltd.	NID90F02 Ver 1.0	Infineon	SLE66CX182PE	18	T=1	2.0	✓	✓	✓	✓	✓	2.1Lite	JBA, JPA, ETC, ID, Bio
JN-038	Dai Nippon Printing Co., Ltd.	JIMz3 Ver. 1.0	Renesas Technology Corp.	AE43D	8.5	T=1	2.0	✓	-	-	✓	-	2.1Lite	Plet's (Ver1.3) Cache TFC