



JCB Approved Product List –MULTOS –

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 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						Cirrus ATM Information
								Offline Data Authentication			CVM			
								SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification		
JM-004	Keycorp Ltd.	I4D	Infineon Technologies AG	SLE66CX320P	32	T=1	1.0	✓	✓	-	✓	✓	-	J/Smart Applet in EEPROM
JM-007	Keycorp Ltd.	I4D	Infineon Technologies AG	SLE66CX160P	16	T=0	1.0	✓	✓	-	✓	✓	-	J/Smart Applet in EEPROM
JM-008	Keycorp Ltd.	I4D	Infineon Technologies AG	SLE66CX320P	32	T=0	1.0	✓	-	-	✓	✓	-	J/Smart Applet in EEPROM
JM-013	HITACHI Ltd./ Dai Nippon Printing Co., Ltd.	4.032Xb	Renesas Technology Corp.	AE45Xb	36	T=1	1.0	✓	✓	-	✓	✓	2.05 Select	J/Smart Applet in EEPROM
JMC-003	Dai Nippon Printing Co., Ltd.	4.032e	Renesas Technology Corp.	AE45C	32	T=1	1.0	✓	✓	-	✓	✓	2.05 Select	JPA,ETC
JMC-004	Dai Nippon Printing Co., Ltd.	4.032e	Renesas Technology Corp.	AE45C	32	T=1	2.0	✓	✓	✓	✓	✓	2.05 Select	JPA,ETC
JMC-006	Dai Nippon Printing Co., Ltd.	4.016a	Renesas Technology Corp.	AE45CH	16	T=1	2.0	✓	✓	✓	✓	✓	2.05 Select	JBA, JPA, ETC
JMC-007	Dai Nippon Printing Co., Ltd.	4.016a	Renesas Technology Corp.	AE45CH	16	T=1	1.0	✓	✓	-	✓	✓	2.05 Select	JBA, JPA, ETC



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			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
JMC-008	Dai Nippon Printing Co., Ltd.	4.036a	Renesas Technology Corp.	AE45C1	36	T=0	2.0	✓	✓	✓	✓	✓	2.05 Select 4 Select	
JMC-010	Dai Nippon Printing Co., Ltd.	4.218a	Renesas Technology Corp.	AE44C	18	T=0	2.0	✓	✓	✓	✓	✓	2.05 Select 4 Select	
JMC-011	Dai Nippon Printing Co., Ltd.	4.218a	Renesas Technology Corp.	AE44C	18	T=1	2.0	✓	✓	✓	✓	✓	2.05 Select 4 Select	
JMC-012	Dai Nippon Printing Co.,Ltd.	MULTOS 4.218aV3 Codelet Ver. a	Renesas Technology	AE44C	18	T=0	2.0	✓	✓	✓	✓	✓	2.0.6, 4Select	
JMC-013	Dai Nippon Printing Co.,Ltd.	MULTOS 4.218aV3 Codelet Ver. a	Renesas Technology	AE44C	18	T=1	2.0	✓	✓	✓	✓	✓	2.0.6, 4Select	