



Products & Solutions



Secure Contact Smart Card Readers

										
Model Name		SCR331	SCR335	SCR3310	SCR3310v2.0	SCR3311	SCR3340	SCR243	SCR333	SPR532/SPR332
Model Type		PC-linked Reader	PC-linked Reader	PC-linked Reader	PC-linked Reader	PC-linked Reader	Express Card™ Reader	PCMCIA Reader	Internal Reader	PINpad Reader
Interfaces										
Host	USB (Full Speed)	✓	✓	✓	✓	✓	✓		✓	✓
	Serial									SPR532 (on request)
	Other					Vertical	Express Card™ 54mm	PCMCIA Type II	3.5 inches bay	
Smart Card	Controller	STC II	STC II	STC II	C51+	STC II	STC II	PC-DM	STC II	STC II
	Form Factor	ID-1	ID-1	ID-1	ID-1	ID-1	ID-1	ID-1	ID-1	ID-1
	Contact	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A,B,C)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)
	Communication speed (contact interface)	500 kbps	500 kbps	500 kbps	500 kbps	500 kbps	500 kbps	500 kbps	500 kbps	500 kbps
	Contactless / NFC									
	Communication speed (contactless interface)									
Human	Protocols	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1
	Optical	LED	LED	LED	LED	LED			LED	LED
	Keypad									✓
Software	Display									
	Acoustic signal									✓
	CCID compliant	✓	✓	✓	✓	✓	✓		✓	✓
	API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API
	Memory Card (SCM MCARD API)	✓	✓	✓	✓**	✓	✓	✓	✓	✓
	Other									Open Card Framework
Operating Systems	SDK available									
	Unique serial number	✓	✓	✓	✓	✓	✓		✓	✓
	Firmware in-field upgradeable	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Windows® NT4							✓		SPR532 (Serial)
	Windows® 98SE, ME	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Windows® 2000, XP, Vista, Server2003	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Windows® XP, Vista, Server2003 (AMD64/EMT64)	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Windows® CE	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Linux	✓	✓	✓	✓	✓	✓	✓	✓	✓
	MacOS X	✓	✓	✓	✓	✓	✓	✓	✓	✓
Approvals & Certifications	Solaris	✓	✓	✓	✓	✓			✓	upon request
	USB	✓	✓	✓	✓	✓	upon request	upon request	✓	upon request
	WHQL 2000, Server2003, XP	✓	✓	✓	✓	✓	✓	✓	✓	✓
	WHQL AMD64/EMT64: Vista, XP	✓	✓	✓	✓	✓	✓	✓	✓	✓ (WHQL2000, XP)
	EMV Level 1	✓		✓	upon request	✓	✓	✓ (2000)	✓	✓
	FCC, cULus, CE, VCCI	✓	✓ (UL upon request)	✓	✓	✓	✓ (except VCCI)	✓	✓ (UL upon request)	✓ (UL upon request)
	Common Criteria									EAL3+ hoch
Dimensions	Other									
	LWH [mm]	90 x 70 x 16.5	66 x 48 x 11	70 x 70 x 10	70 x 70 x 10	95 x 64 x 85	75 x 54 x 5	85.6 x 54 x 5	120 x 101 x 25	120 x 70 x 40
	Weight [g]	100	70	70	70	Heavy weight: 440 Light weight: 240	25	30	70	250
Operating Conditions	Temperature [°C]	0° to 50°	0° to 50°	0° to 50°	0° to 50°	0° to 50°	0° to 50°	0° to 50°	0° to 50°	0° to 50°
	Humidity (non condensing)	90%	90%	90%	90%	90%	90%	90%	90%	90%
Customization	Logo, Color*	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Label	✓	✓	✓	✓	✓	✓	✓	✓	✓
Environmental	RoHS	✓	✓	✓	✓	✓	✓	✓	✓	✓
	WEEE	✓	✓	✓	✓	✓	✓	✓	✓	✓
Power	Bus powered	USB	USB	USB	USB	USB	USB	PCMCIA interface	USB	USB
	External power supply									
Cable	USB type A connector	✓	✓	✓	✓	✓			✓ (Cable w. USB 5P)	✓

* Conditions apply - please contact local sales representative, ** Depends on Firmware version

Multifunctional Token							
Model Name		@MAXX prime	@MAXX lite	@MAXX token SCT3511	@MAXX ID-1	SCR3320 Dongle Reader	SCR3500
Model Type							
CHIPDRIVE Name				CHIPDRIVE® MyKey		CHIPDRIVE® SIM Stick	
Interfaces							
Host	USB (Full Speed)	✓	✓	✓	✓	✓	✓
	Serial						
	Other	USB Hub / Expansion slot					
Smart Card	Form Factor	ID-000, 8 contacts	ID-000, 8 contacts	ID-000, 8 contacts	ID-000, 8 contacts	ID-000, 6 contacts	ID-1, 8 contacts
	Contact	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, B, C)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, B, C)
	Communication speed (contact interface)	up to 412 kbps	up to 412 kbps	412 kbps	up to 412 kbps	up to 500 kbps	412 kbps
	Contactless - NFC-enabled reader						
	Built-in antenna for contactless card support	✓	✓	✓	✓		
	Communication speed (contactless interface)						
Storage	Protocols	T = 0, T = 1	T = 0, T = 1	T = 0, T = 1	T = 0, T = 1	T = 0, T = 1	T = 0, T = 1
	µSD card reader	up to 8 GB					
	Internal Flash Memory	1 GB (2 GB upon request)	2 GB		2 GB		
Human	Optical	blue LED	red LED	green LED	red LED	green LED	
	Keypad						
	Display						
	Acoustic signal						
Software	CCID compliant	✓	✓	✓	✓	✓	✓
	API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API	PC/SC, CT-API
	Memory Card (SCM MCARD API)	✓	✓	✓	✓	✓*	✓
	Other						
	SDK available						
	Unique serial number	✓	✓	✓	✓	✓	✓
	Firmware in-field upgradeable					✓	
Operating Systems	Windows® NT4						
	Windows® 98SE, ME, 2000			✓		✓	✓
	Windows® 7, Vista, XP, Server2003	✓	✓	✓	✓	✓	✓
	Windows® 7, Vista, XP, Server2003 (AMD64/EMT64)	✓	✓	✓	✓	✓	✓
	Windows® CE			✓		✓	✓
	Linux	✓	✓	✓	✓	✓	✓
	MacOS X	✓	✓	✓	✓	✓	✓
	Solaris	✓	✓	✓	✓	✓	✓
Approvals & Certifications	USB	✓	✓	✓	✓	✓	✓
	WHQL 2000, Server2003, XP	✓	✓	✓	✓	✓	✓
	WHQL Vista, XP (AMD64/EMT64)	✓	✓	✓	✓	✓	✓
	EMV Level 1					✓	✓
	FCC, cULus, CE, VCCI	✓	✓	✓ (UL upon request)	CE	✓ (UL upon request)	✓ (UL, VCCI on request)
	Other						
Dimensions	LWH [mm]	58 x 23 x 9.2	72 x 26 x 10	70 x 20 x 10	80 x 35 x 15.3	70 x 20 x 10	48 x 20 x 12
	Weight [g]	15	15	10	20	10	10
Operating Conditions	Temperature [°C]	0° to 50°	0° to 50°	0° to 50°	0° to 50°	0° to 50°	0° to 50°
	Humidity (non condensing)			90%		90%	90%
Customization	Logo, Color**	✓	✓	✓	✓	✓	✓
	Label	✓	✓	✓	✓	✓	✓
Environmental	RoHS	✓	✓	✓	✓	✓	✓
	WEEE	✓	✓	✓	✓	✓	✓
Power	Bus powered	USB	USB	USB	USB	USB	USB
	USB connector	Slim, Type A (on request)	Type A	Type A	Type A	Type A	Type A

* Depends on Firmware, ** Conditions apply - please contact local sales representative

Secure Contactless & Dual Interface Smart Card Readers



Model Name	SCL3711	SCL010/SCL011	SDI010	
Model Type	Contactless Dongle Reader	Contactless Reader	USB Dual-Interface Reader	
Interfaces				
Host	USB (Full Speed)	✓	✓	
	Serial			
	Other			
Smart Card	Form Factor	C'less	ID-1, C'less	
	Contact		ISO/IEC 7816 (A, AB)	
	Communication Speed (contact interface)		500 kbps	
	Contactless / NFC			
		ISO/IEC 14443 A & B Mifare 1k, 4k, DESFire Mifare Plus, Ultralight Felica™, my-d™ NFC, NFC Forum Tag Types	ISO/IEC 14443 A & B Mifare 1k, 4k, DESFire Mifare Plus, Ultralight Felica™, my-d™ NFC, NFC Forum Tag Types	ISO/IEC 14443 A & B Mifare 1k, 4k, DESFire Mifare Plus, Ultralight
	Communication Speed (Contactless Interface)	up to 424 kbps	up to 848 kbps	up to 848 kbps
Protocols	ISO/IEC 14443-4	ISO/IEC 14443-4	ISO/IEC 14443-4 T=0, T=1	
Human	Optical	LED	LED	
	Keypad			
	Display			
Acoustic signal				
	CCID compliant	CCID-like	CCID-like (contactless)	
Software	API	PC/SC, HAL	PC/SC	
	Memory Card (SCM MCARD API)		✓	
	Other			
	SDK available	✓	✓	
	Unique Serial Number		✓	
	Firmware in-field upgradeable		✓	
Operating Systems	Windows® NT4		✓	
	Windows® 98SE, ME		✓	
	Windows® Vista, XP, Server2003, 2000	✓	✓	
	Windows® Vista, XP, Server2003 (AMD64/EMT64)		✓	
	Windows® CE	✓	✓	
	Windows® 7	✓	✓	
	Linux	✓	✓	
	MacOS X	✓	✓	
	Solaris		upon request	
	Other			
Approvals & Certifications	USB	✓	✓	
	WHQL 2000, Server2003, XP	✓	✓	
	WHQL AMD64/EMT64: Vista, XP	✓		
	ISO/IEC 14443		SCL011	
	FCC, cULus, CE, VCCI	✓	✓	
	Other		✓ (except cULus)	
Dimensions	LWH [mm]	66 x 24 x 8	118 x 78 x 22 mm	
	Weight [g]	10	128	
Operating Conditions	Temperature [°C]	-20° to 70°	0° to 50°	
	Humidity (non condensing)	90%	90%	
Customization	Logo, Color*	✓	✓	
	Label	✓	✓	
Environmental	RoHS	✓	✓	
	WEEE	✓	✓	
Power	USB Bus powered	✓	✓	
	External power supply			
	Battery powered			
Cable	USB type A connector	✓	✓	

* Conditions apply - please contact local sales representative, ** Cradle and a snap-on card holder for SCL010 available as accessory

Contactless Modules



Model Name		SDM100	SCL3711 PCBA
Interfaces			
Host	USB (Full Speed)	✓	✓
	Serial		
	Other		
Smart Card	Form Factor	ID-1, C'less	ID-1, C'less
	Contact	ISO/IEC 7816 (A, AB)	
	Communication speed (contact interface)	500 kbps	
	Contactless / NFC	ISO/IEC 14443 A & B Mifare 1k, 4k, DESFire, Mifare Plus, Ultralight	ISO/IEC 14443 A & B Mifare 1k, 4k, DESFire Mifare Plus, Ultralight Felica™, my-d™ NFC, NFC Forum Tag Types
Human	Communication speed (contactless interface)	up to 424 kbps	up to 424 kbps
	Protocols	ISO/IEC 14443-4 T=0, T=1	ISO/IEC 14443-4
	Optical	LED	LED
Software	Acoustic signal		
	CCID compliant	CCID (contact) CCID-like (contactless)	CCID-like
Operating Systems	API	PC/SC	PC/SC, HAL
	Memory Card (SCM MCARD API)	✓	
	Other		
	SDK available		✓
	Unique serial number	✓	
	Firmware in-field upgradeable	✓	
	Windows® NT4		
Windows® 98SE, ME	✓		
Windows® 2000, XP, Vista, Server2003	✓	✓	
Windows® XP, Vista, Server2003 (AMD64/EMT64)	✓	✓	
Windows® CE	✓	✓	
Windows® 7	✓	✓	
Linux	✓	✓	
MacOS X	✓	✓	
Approvals & Certifications	Solaris	upon request	
	USB	upon request	✓
	WHQL 2000, Server2003, XP	upon request	✓
	WHQL AMD64/EMT64: Vista, XP	upon request	✓
	EMV Level 1	upon request	
	FCC, cULus, CE, VCCI	upon request	✓
	Other		
Dimensions	LWH [mm]	100 x 70 x 7 mm	46 x 19 x 4 mm
	Weight [g]		5
Operating Conditions	Temperature [°C]	0° to +50°	-20° to +70°
	Humidity (non condensing)	90 %	90 %
Customization	Logo, Color		
	Label		
Environmental	RoHS	✓	✓
	WEEE		✓
Power	Bus powered	✓	✓
	External power supply		
	Battery powered		
Cable	USB type A connector	✓	optional 4 pin

Secure Trusted Terminals






Model Name		STT200 Transaction Terminal	eHealth200 BCS eHealth Terminal	eHealth500 mobile eHealth Terminal
Model Type				
Interfaces				
Host	USB (Full Speed)	1 Client- / 1 Host-Port	1 Client- / 1 Host-Port	✓
	Serial			
Smart Card	Other	Dual Port LAN	Dual Port LAN	
	Form Factor	2 x ID-1, 2 x ID-000	2 x ID-1, 2 x ID-000	2 x ID-1
	Contact	ISO/IEC 7816 (A, B, C)	ISO/IEC 7816 (A, B, C)	ISO/IEC 7816 (A, B, C)
	Communication Speed (contact interface)	672 kbps	672 kbps	115 kbps
	Contactless / NFC	with USB accessory	with USB accessory	
	Communication Speed (contactless interface)			
Human	Protocols	T=0, T=1, S=8, S=9, S=10	T=0, T=1, S=8, S=9, S=10	T=0, T=1, S=8, S=9, S=10
	Optical	2 multi-colored LEDs	2 multi-colored LEDs	
	Keypad	✓	✓	✓
	Display	full graphical	full graphical	full graphical
Software	Acoustic signal	✓	✓	✓
	CCID compliant			
	API	PC/SC	PC/SC, CT-API/CT-BCS SICCT	PC/SC CT-API/CT-BCS
	Other	OCF	OCF	
	SDK available	✓		
	Unique serial number	✓	✓	✓
	Firmware in-field upgradeable	✓	✓	✓
Ethernet	IEEE802.3 compliant, 10/100 MB Support	✓	✓	✓
	Auto Negotiation Auto MDIX support	✓	✓	
	Switch functionality	✓	✓	
	TCP/IP, HTTP, HTTPS, Open SSL	✓	✓	
Operating Systems	Windows® 98SE, ME			✓
	Windows® 7, Vista, XP, Server2003, 2000	✓	✓	✓
	Windows® 7, Vista, XP, Server2003 (AMD64/EMT64)	✓	✓	✓
	Windows® CE			
	Linux	✓	✓	✓
	MacOS X	✓	✓	✓
Approvals & Certifications	Solaris	upon request	upon request	upon request
	USB	✓	✓	✓
	WHQL 2000, Server2003, XP	✓	✓	✓
	WHQL AMD64/EMT64: Vista, XP	✓	✓	✓
	EMV Level 1	upon request	upon request	upon request
	FCC, cULus, CE, VCCI	CE, FCC*	CE	CE
	Common Criteria EAL 3+	upon request	in certification	in certification
Other	upon request	gematik	gematik	
Security	Secure Firmware upgrade	✓	✓	✓
	Tamper detection	optional	✓	✓
Dimensions	LWH [mm]	127 x 215 x 70	127 x 215 x 70	75 x 125 x 17
	Weight [g]	680	680	120
Operating Conditions	Temperature [°C]	0° to 50°	0° to 50°	0° to 45°
	Humidity (non condensing)	90%	90%	95%
Customization	Logo, Color*	✓		✓
	Label	✓		✓
Environmental	RoHS / WEEE	✓	✓	✓
	Bus powered	✓	✓	
Power	External power supply	✓	✓	Charger
	Battery powered			✓
Cable	USB cable (type A/Mini USB)	✓	✓	✓

* Conditions apply - please contact local sales representative

Physical Access Control Terminals		INDOOR Terminals					OUTDOOR Terminals	
								
Model Name		Contactless PAT1211	FeliCa/Contactless PAT1461	Contactless/PINpad PAT1221	Contact/CL/PINpad PAT1241	Contact/Contactless PAT1251	Contactless PAT1312	Contactless/PINpad PAT1322
Model Type								
Interfaces								
Host	Serial	RS-485	RS-232	RS-485	RS-485	RS-485	RS-485	RS-485
	Wiegand/Magstripe	✓	✓	✓	✓	✓	✓	✓
Smart Card	Proprietary 2-wire	✓	✓	✓	✓	✓	✓	✓
	Form Factor	ID-1	ID-1	ID-1	ID-1	ID-1	ID-1	ID-1
	Contact	✓	✓	✓	✓	✓	✓	✓
Smart Card	Communication Speed (contact interface)	344Kbps (SAM)	344Kbps (SAM)	344Kbps (SAM)	344Kbps	344Kbps	9600 bps (SAM)	9600 bps (SAM)
	Contactless / NFC	ISO/IEC 14443 Type A & B	ISO/IEC 14443 Type A & B, FeliCa	ISO/IEC 14443 Type A & B	ISO/IEC 14443 Type A & B	ISO/IEC 14443 Type A & B	ISO/IEC 14443 Type A & B	ISO/IEC 14443 Type A & B
Smart Card	Communication Speed (contactless interface)	424 Kbps	424 Kbps	424 Kbps	424 Kbps	424 Kbps	424 Kbps	424 Kbps
	Protocols	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1	T=0, T=1
Human	SAM Slot	✓	✓	✓	✓	✓	✓	✓
	Optical	✓	✓	✓	✓	✓	✓	✓
Human	PINpad			✓	✓			✓
	Display							
Human	Acoustic signal	✓	✓	✓	✓	✓	✓	✓
	API							
Software	Unique serial number							
	Firmware in-field upgradeable	✓	✓	✓	✓	✓	✓	✓
Processor		STC2	STC3	STC2	STC2	STC2	STC C	STC C
PIN handling	PIN verification with card				✓	✓		✓
	PIN verification with panel			✓	✓	✓		✓
Approvals & Certifications	FCC, cULus, CE, VCCI	FCC, CE	FCC, CE	FCC, CE	FCC, CE	FCC, CE	FCC, CE	FCC, CE
Dimensions	Other	UL 294, CE	UL 294, CE	UL 294, CE	UL 294, CE	UL 294, CE	UL 294, CE, FIPS201	UL 294, CE, FIPS201
	LWH [mm]	148 x 84 x 46	148 x 84 x 46	148 x 84 x 46	148 x 84 x 46	148 x 84 x 46	148 x 84 x 46	148 x 84 x 46
Dimensions	Weight [g]	300 / 260	300 / 260	300 / 260	300 / 260	300 / 260	380	380
	Operating Conditions	Temperature [°C]	0° to +50°	0° to +65°	0° to +50°	0° to +50°	0° to +50°	-25° to + 65°
Customization	Humidity (non condensing)	20-90%	20-90%	20-90%	20-90%	20-90%	5-95%	5-95%
	Logo, Color*	✓	✓	✓	✓	✓	✓	✓
Customization	Label	✓	✓	✓	✓	✓	✓	✓



* Conditions apply - please contact local sales representative

CHIPDRIVE® Solutions		Time Recording			Digital Tachograph		PC Applications	
								
Model Name		Time Recording mobile	Time Recording Network	Time Recording Touch & Go	Driver Card Solution	Driver Card Company Solution	MyKey	SIM Card Stick
Type					Driver Edition	Company Solution		
Package Content	Terminal	CDO910	CD0920	CDO920 DI				
	Card Reader	desktop pro	desktop pro	dual pro	SCR3310	SCR3311	SCR3320	SCR3320
	Software (CD)	✓	✓	✓	✓	✓	✓	✓
	User Cards (25pcs)	✓	✓					
	User Chips (25pcs)			✓				
	Transport Card (1pc)	✓						
	Wall mount	✓	✓	✓				
	Power supply		✓	✓				
	Batteries	✓						
	Ethernet cabel		✓	✓				
Technology	Contact	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)
	Contactless (Mifare)			ISO/IEC 14443 (A, AB)				
	Network		✓	✓				
System Requirements	free USB-port	✓	✓	✓	✓	✓	✓	✓
	Ethernet connection		✓	✓				
Operating Systems	Windows® 2000	✓	✓	✓	✓	✓	✓	✓
	Windows® XP	✓	✓	✓	✓	✓	✓	✓
	Windows® Vista	✓	✓	✓	✓	✓	✓	✓
	Windows® 7	✓	✓	✓	✓	✓	✓	✓
Approvals & Certifications	USB					✓	✓	✓
	WHQL 2000, Server2003, XP				✓	✓	✓	✓
	WHQL Vista, XP (AMD64/EMT64)				✓	✓	✓	✓
	EMV Level 1				✓	✓		
	FCC, cULus, CE, VCCI	CE	CE, FCC, uL	CE, FCC, uL	✓	✓	✓ (UL upon request)	✓ (UL upon request)
	Common Criteria							
	Other							
Dimensions	LWH [mm]	380 x 260 x 110	380 x 260 x 110	380 x 260 x 110	270 x 190 x 50	270 x 190 x 50	185 x 185 x 15	185 x 185 x 15
	Weight [g]	2,000	2,500	2,200	306	746	87	81
Environmental	RoHS	✓	✓	✓	✓	✓	✓	✓
	WEEE	✓	✓	✓	✓	✓	✓	✓
Power	Electrical power supply		✓	✓				
	Battery powered	✓						







CHIPDRIVE® Reader				
Model Name		CDO920	CDO920 DI	CDO910
Type		Network Terminal	Network Terminal (CL)	Mobile Terminal
Interfaces	Host	USB (Full Speed)		
		Serial		
Other		ETH 10/100 autoNEG autoMDIX	ETH 10/100 autoNEG autoMDIX	
Smart Card	Form Factor	ID-1	ID-1	ID-1
	Contact	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)	ISO/IEC 7816 (A, AB)
	Communication speed (contact interface)	420 k bps	420 k bps	344 kbps
	Contactless / NFC		ISO/IEC 14443 A & B	
	Communication speed (contactless interface)		848 kbps	
Human	Protocols	T=0, T=1	T=0, T=1	T=0, T=1
	Optical			
	Keypad	✓	✓	✓
Software	Display	graphic 128x64 pixel	graphic 128x64 pixel	graphic 128x64 pixel
	Acoustic signal	✓	✓	✓
Operating Systems	CCID compliant			
	API			
	Memory Card (SCM MCARD API)	✓	✓	✓
	Other			
	SDK available			
	Unique serial number	✓	✓	✓
	Firmware in-field upgradeable	✓	✓	✓
	Windows® NT4			✓
	Windows® 98SE, ME			✓
	Windows® 7, Vista, XP, Server2003, 2000	✓	✓	✓
Windows® 7, Vista, XP, Server2003 (AMD64/EMT64)	✓	✓	✓	
Windows® CE				
Approvals & Certifications	Linux			
	MacOS X			
	Solaris			
	USB			
	WHQL 2000, Server2003, XP			
Dimensions	WHQL AMD64/EMT64: Vista, XP			
	EMV Level 1			
	FCC, cULus, CE, VCCI	CE, FCC, uL	CE, FCC, uL	CE
	Common Criteria			
Operating Conditions	Other			
	LWH [mm]	200 x 120 x 40	215 x 120 x 40	78 x 105 x 20
	Weight [g]	368	368	239
Customization	Temperature [°C]	0° to 50°	0° to 50°	0° to 50°
	Humidity (non condensing)	95%	95%	95%
Environmental	Logo, Color*			
	Label			
Power	RoHS	✓	✓	✓
	WEEE	✓	✓	✓
	Bus powered			
Cable	External power supply	✓	✓	
	Battery powered			✓
	USB type A connector			

* Conditions apply - please contact local sales representative

Demonstration & Developer's Kits

Model Name					
Package Name		NFC Demo Kit	NFC Add-on Kit	Contact Smart Card Software Development Kit	Contactless Smart Card / NFC Software Development Kit
Package content	Reader(s)	SCL3710/3711*	SCL3710/3711*	SCR3310, SCR243, @MAXX prime	SCL010, SCL3711
	Demo applications	✓		✓	✓
	Source code			✓	✓ 1
	Cards	✓		4 Memory Smart Cards, 2 Microprocessor Smart Cards	NFC Forum Tag 2 & 4, DESFire EV1 Mifare 1k (Keyfob), Mifare 4k, Mifare Ultralight
	Documentation	✓		✓	✓
Technology	Other	type A USB male/female extension cable App download from web site	type A USB male/female extension cable App download from web site	Tools and utilities to develop Contact Smart Card based PC/SC applications	Tools and utilities to develop Contactless Smart Card based PC/SC applications
	ISO/IEC 14443	✓	✓		
	MIFARE	✓	✓		✓
	ISO/IEC 7816 T=0, T=1			✓	
	Windows® XP	✓		✓	
Operating system supported	Windows® Vista	✓		✓	✓
	Windows® 7			✓	✓
	MacOS X			✓	✓
	Linux			✓	✓

* Objective Data

Digital Media & Connectivity		Digital Media Reader					DM Solutions
							
Model Name Type		PCD-pMOD Custom multi-slot modular reader	PCD-qMOD Custom multi-slot modular reader	PCD-xMOD Custom multi-slot modular reader	PCD-zMOD Generic multi-slot modular reader	PCD-95L-EX Generic multi-slot reader	ScanBoost Custom
Interfaces	Host	USB 2.0 High Speed	✓	✓	✓	✓	
	Card	API Library	✓	✓	✓	✓	✓
		USB Hub built-in	✓	✓	✓	✓	
		Card Slots	7+1 USB + 2 spare ports	5+1 USB	12	5 + 2 USB	5 + 1 USB
		Dual Card Slots				✓	
		Card Formats	6	6	8	10	
		SM	✓	✓	✓	✓	
		CF	✓	✓	✓	✓	
		xD	✓	✓	✓	✓	
		SD/MMC	✓	✓	✓	✓	
		miniSD	✓	✓ (Rev 1 only)	✓	✓	
		RS-MMC	✓	✓	✓	✓	
		MS Duo	✓	✓	✓	✓	
		MS Pro	✓	✓	✓	✓	
		USB front port	✓	✓	✓	✓	
		microSD	Adapter	✓ (Rev 2 only)	Adapter	Adapter	✓
		microMS	Adapter	Adapter	Adapter	Adapter	✓
		Microdrive	✓	✓	✓	✓	
		Communication Speed - SD	9 MBps	9 MBps	9 MBps	18 MBps	18 MBps
		Replaceable Daughter Card	✓	✓	✓	✓	
		CF Pin protect	✓	✓	✓	✓	
		Write Protect	✓	✓	✓	✓	
	Human Software	Optical			Individual LED	Individual LED	Single activity LED
		Firmware Upgrades	✓	✓	✓	✓	✓
		Driver			✓		✓
	Operating Systems	Windows XP	✓	✓	✓	✓	✓
		Xpe	✓	✓	✓	✓	✓
	Approvals & Certifications	USB (High Speed)	✓	✓	✓	✓	Pending
		UL/cUL	✓	✓	✓	✓	Pending
		FCC,CE, VCCI	✓	✓	✓	✓	Pending
		xD	✓	✓	✓	✓	Pending
		Other				EN60950	
	Dimensions	LWH [mm]	Custom	Custom	Custom	170 x 102 x 26 (3.5" floppy bay)	125 x 102 x 26 (3.5" floppy bay)
	Operating Conditions (8 hours min. operation)	Temperature [°C]	15° to 30°	15° to 30°		15° to 30°	
		Humidity (non condensing)	15% to 76 %	15% to 76 %		15% to 76 %	Pending
	Environmental	RoHS	✓	✓	✓	✓	
		WEEE					✓
	Power	Power Connector	Customized (Kodak)	Customized (Kodak)	Customized (Fuji Film)	Standard molex	Standard molex
	Cable	USB Type B	✓	✓	✓	mini B	✓



The PCD-pMOD multi-slot modular reader is a customized product used for Kodak Kiosk solutions.



The PCD-xMOD multi-slot modular reader is a customized product used for IBM/FujiFilm Kiosk solutions.

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