



Approved PIN Entry Devices

Last Update: Oct 9th, 2009

101 Vendors, 302 Devices

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

2i Informatica Industrial							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
2i10 hardware # : 2i10-x firmware # : 5.01 applic # :	4-10063	PCI 1.x	EPP	30 Apr 2014	Online Only	MK/SK, DUKPT	
PIN Pad Antivandalico hardware # : PP-2000-C ver. 2.9 & 3.0 firmware # : 4.02 applic # :	4-10024	PCI 1.x	PED	30 Apr 2014	Online Only	Fixed	

ALVIC							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
ALVIC Pin Keypad 3 hardware # : SE-028-E firmware # : 1.8y applic # :	4-20068	PCI 1.x	EPP	30 Apr 2014	Online Only	MK/SK	
ALVIC Pin Keypad 3 hardware # : SE-028-E firmware # : 1.8y 1.90.x applic # : N/A	4-20075	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK	✔

Atos Worldline SA/NV							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
Banksys XENTA hardware # : 90640000xx 90640000xx REV_L firmware # : PCI.00.01.02 PCI.00.02.08x applic # :	4-30001	PCI 1.x	PED	30 Apr 2014	Online & Offline	DUKPT	✔
Banksys XENTEO hardware # : Xenteo HW #: 9066100xxx-REV.a, SCR HW#: 9066300xxx Rev_1, 9066300xxx Rev.c firmware # : PCI 00.01.00 (Online Only), PCI 00.02.07, PCI 00.02.07R, PCI 00.02.08x applic # :	4-30011	PCI 1.x	PED	30 Apr 2014	Online & Offline	DUKPT	✔

Banksys Xentissimo							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
hardware # : 9066000XX rev A 90660000XX rev F firmware # : PCI 00.02.00 PCI.00.02.08x applic # :	4-30007	PCI 1.x	PED	30 Apr 2014	Online & Offline	DUKPT	✓

Biometric Access Company

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
SecureTouch Advanced Modular (STAm) hardware # : M01.xxxxxxx, M02.xx firmware # : F.D01.P01, F.P02 applic # :	4-10065	PCI 1.x	PED	30 Apr 2014	Online Only	DUKPT	

Bitel co., ltd

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
Flex5100 hardware # : f5hvw36 firmware # : f5firmv3250 applic # :	4-60002	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	

Blue Bamboo

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
H50 hardware # : 1.0.1 firmware # : 1.1.2 applic # :	4-10005	PCI 1.x	PED	30 Apr 2014	Online & Offline	DUKPT	✓

Bluebird soft Inc.

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
BIP-1300 hardware # : BIP-1300-xxxxxxxxxM5 firmware # : 1. Initial boot-loader (BL) version 2.4.1 2. Firmware updater (IPL) version 2.5.0 3. Windows Mobile OS version 5.0 (v5.1.478) 4. Main firmware version 9134 applic # : "toolSelfExam.exe" version 1.0.0.5 (self-test/integrity application), "toolVerifyKey.exe" version 1.0.05 (Key load application), "BBEmvKernel.exe" version 1.0.0.3 (Payment application)	4-30041	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed	✓

Cadmus Payment Solutions Ltd.

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
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CP04-700, CP04-701 hardware # : 7xx-1.00.yy firmware # : 1.18.zz applic # :	4-40031	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓
CP04-700, CP04-701 hardware # : 7xx-1.00.yy firmware # : 1.22.zz applic # :	4-40033	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓

Card Access Services Pty Ltd

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
C200 hardware # : C200-V4.00 firmware # : V1.1.1 applic # : CasEPOS V1.0.22	4-40019	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK	

Castles Technology Co. Ltd.

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
Orion3000 hardware # : Orion3000-0811 (online only), Orion3000-0822 firmware # : Orion3000-FM-V1.0 applic # : V1.4	4-20092	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	
PCI 3000 hardware # : PCI3000-0807 firmware # : PCI3000-FM-V1.0 applic # : V1.3	4-20090	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	
Vega7000 hardware # : VEGA7000-0732 firmware # : VEGA7000-FM-V1.0 applic # : V1.0	4-20083	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	

CCV-Deutschland GmbH (formerly EL-ME AG)

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
VIP500, ST-4000, B+S supreme hardware # : ST-4000 x1x-x-01, ST4000 x2x-x-02 firmware # : OS_ELME 01 applic # : PCI 01	4-20020	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK	✓
VIP800, MPP hardware # : MPP-x4xxx-xx-01, MPP-x4xxx-xx-02 firmware # : OS_ELME 01 applic # : PCI 01	4-20019	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK	✓
VIP800, MPP hardware # : PED: MPP-x4xxx-xx-01 MPP-x4xxx-xx-02 CR: HKL-Bx-01 firmware # : PED: OS_ELME 01 CR: OS_ELME 01 applic # : PED: SECposII_emv, Version 01 CR: SECposII_emv, Version 01	4-20094	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK	✓

Click the superscript numbers to view the footnotes.

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

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101 Vendors, 302 Devices

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

CCV-Deutschland GmbH (formerly EL-ME AG)							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
VIP900, OPP-B50							
hardware # : PED: OPP-B50 xxx xxx or OPP-B50 xxx xxx-02 CR: SCR-B xxx-xx firmware # : PED: OS_ELME 01 CR: OS_ELME 01 applic # : PED: PCI 01, CR: PCI 01	4-20052	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK	✓
CHESS eT B.V.							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
Pay4You							
hardware # : 5617.3000.002 firmware # : SC SV: 0105 SC SV: 0106 SC SV: 0108 applic # :	4-20111	PCI 2.x	PED	30 Apr 2017	Online & Offline	DUKPT	✓
ChunghoComNet Co. Ltd.							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
CH-EP8100							
hardware # : CHA3029-G080213 firmware # : PC01 applic # :	4-30036	PCI 2.x	EPP	30 Apr 2017	Online Only	MK/SK	
CIME S.r.l. (formerly Urmet)							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
Aureus Plus IN - IPM5116xxx							
hardware # : MDA5116xxxAB firmware # : FIP5116001RAF + FIP5116003RAE + FIP5116005RAD applic # :	4-30022	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓
Gigas 5130							
hardware # : MDx5130xxx.xxAA firmware # : FIW00002AC, FIW00004AB, FIW00005AC, FIW00006AC applic # :	4-30024	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓

PIN PLUS 5107/2xx hardware # : 5107/2xx firmware # : A4 applic # :	4-30010	PCI 1.x	PED	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	
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CyberNet

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
JadeAIRE X2 hardware # : JX2P-xxxxxx-xxxxxP-xx-0 firmware # : PCI API v1.29 applic # :	4-10061	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	
JadeEKO hardware # : JDEE-xxxxxx-xxPxxx20xF-A, JDEE-xxxxxx-xxPxxx20xF-B firmware # : PCI API v1.000, PCI API v1.280 applic # :	4-10030	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK, DUKPT	

Da Sistemi

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
DANDY - mod. POS4000 hardware # : MT0612/x MT0614/y firmware # : BIOS 1.0 - Kernel 2.6 - Middleware 1.1 - Security Manager 1.1 applic # :	4-60005	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓
DANDY Free - mod. POS4002 hardware # : MT0612/x, MT0614/y firmware # : BIOS 1.0 - Kernel 2.6 - Middleware 1.1 - Security Manager 1.1 applic # :	4-60012	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓
DANDY Pad - mod. PP4000 hardware # : MN0606/X firmware # : PP4000 4.0 applic # :	4-20028	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK	

Dataflight Europe A/S

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
DFE OBTIFD / DFE 105-002-001 hardware # : DFE 105-002-001 (for KT1) DFE 105-003-001 (for HT280, M-A) DFE 105-004-001 (for HT280, M-B) firmware # : DFE 810.001.003 applic # :	4-30006	PCI 1.x	PED	30 Apr 2014	Offline Only	-	✓

Demco

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
SP7 hardware # : SP7-V1-XXXX firmware # : DCBL1.3(bootloader), DCBIOS1.0(bios), KERNEL2.6.x, SP7MW1.0(middleware,EMV), SP7SDP1.0(Secure Daemon) applic # :	4-40026	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓

Diebold

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
EPP 5							
hardware # : 49-2166UU-VVVZ representation changed from [1], 49-2189UU-VVVZ representation changed from [2], 49-2190UU-VVVZ representation changed from [2], 49-2196UU-VVVZ, 49-2209UU-VVVZ firmware # : 414-0376 RXX with loader 414-0387 R1Y, 414-0376-R4x, 414-0376-R5x applic # :	4-20054	PCI 1.x	EPP	30 Apr 2014	Online Only	Fixed, MK/SK	

Dionica Italia S.r.l.

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
APOLLO							
hardware # : APPED08xxxxxxxxxxxxx firmware # : 04.01 applic # :	4-10056	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	

Dresser, Inc.

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
Dresser Wayne iX Pay Secure Payment Module (SPM)							
hardware # : EPP: WU000436-XXXX (Rev. 02, Rev. 03 or Rev. 04) CR: ICM330-3R9270 Rev. J firmware # : EPP: 1.1.3761.0, 1.1.3776.0, 1.1.3788.0 or 1.1.3789.0 CR: 3026-01N applic # :	4-70002	PCI 2.x	EPP	30 Apr 2017	Online & Offline	MK/SK, DUKPT	✔

Exadigm

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
XD2000-PCI							
hardware # : T4xxx0x.xxx firmware # : 0.1K applic # :	4-10008	PCI 1.x	PED	30 Apr 2014	Online Only	DUKPT	

Excelec & Cia Ltda

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
PinPath Pp1000							
hardware # : PinPath Rev9 firmware # : 1.0.0.2 with OS 5.3.02 15 applic # :	4-40022	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK	
RockPOS RP5							
hardware # : RP5 Rev7 firmware # : 5.8.0.8 with OS 3.5.1.4 2 applic # :	4-40017	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK	

First Data International

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
Solo 510 hardware # : SOLO 510 HW:ISC-SOLO 1 HW V2.0.1.0 SOLO510_abcd_ee (p/n: xxxxxxGx) firmware # : SKOS v3.2 applic # : 8.3	4-30012	PCI 1.x	PED	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	

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[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

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Approved PIN Entry Devices

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101 Vendors, 302 Devices

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

Fujian Landi Commercial Equipment Co., Ltd.							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
E510 hardware # : V1.* firmware # : UNIMARS II: 01-01-01 applic # :	4-50013	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
E520 hardware # : V1.* firmware # : UNIMARS II: 01-01-01 applic # :	4-50014	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
E530 hardware # : V1.* firmware # : UNIMARS II: 01-01-01 applic # :	4-50016	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
E550 hardware # : V1.* firmware # : UNIMARS II: 01-01-01 applic # :	4-50017	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
S100 hardware # : V1.* firmware # : 01-01-01 applic # :	4-50015	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
SCE-7100 hardware # : S firmware # : 3.1 applic # :	4-40023	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK	
SPP-100 hardware # : Vx.y firmware # : 3.1 applic # :	4-40024	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK	
STAR EPT-5610 hardware # : V1.4 firmware # : 02-06-04PCI01 (online only), 02-06-05PCI01 applic # :	4-40032	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK	✓
STAR EPT-5630 hardware # : V1.3, V1.4 firmware # : 02-06-04PCI01, 02-06-05PCI01 applic # :	4-40029	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK	✓
STAR EPT-5650 hardware # : V (Online Only) VX (Online & Offline) firmware # : PCI 14 (Online Only) PCI 15 (Online & Offline) applic # :	4-40003	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK	✓

STAR-610 hardware # : V (Online Only) VX (Online & Offline) firmware # : PCI 14 (Online Only) PCI 15 (Online & Offline) applic # :	4-40004	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK	✓
STAR-758 hardware # : S firmware # : 3.1 applic # :	4-40020	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK	

Fujian Newland Computer Company Ltd.

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
NL-8080Y/S hardware # : V1.00 firmware # : V1.0.9 applic # :	4-60019	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
NL-8300/S hardware # : V0.4 firmware # : 001006 applic # :	4-20089	PCI 1.x	PED	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	
NL-8510 hardware # : V1.00 firmware # : V1.0.9 applic # :	4-60021	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
NL-GP630 hardware # : 1.0.1 firmware # : 1.1.6 applic # :	4-10060	PCI 1.x	PED	30 Apr 2014	Online & Offline	DUKPT	
NL-GP730 hardware # : V1.00 firmware # : V1.0.9 applic # :	4-60016	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
NL-PP50 hardware # : D2x firmware # : E19 applic # :	4-10052	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK	
NL-PP60 hardware # : V0.4 firmware # : 001004 applic # :	4-60014	PCI 1.x	PED	30 Apr 2014	Online Only	Fixed, MK/SK	

Fujitsu Frontech Limited

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
B-PAD, B-STOREPOWER/M, I-PAD hardware # : CA06178-A62X, CA06178-A63X firmware # : V02L02, V02L03 applic # :	4-30028	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓

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[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

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Approved PIN Entry Devices

Last Update: Oct 9th, 2009

101 Vendors, 302 Devices

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

Gemalto							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
Gemalto MagIC³ C-series hardware # : B02xxxxxxxx xx x xx firmware # : WW PCIPED- 1.16 applic # :	4-20065	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
Gemalto MagIC³ M-series/W-series hardware # : D01xxxxxxxx xx x xx xx (M-series) F01xxxxxxxx xx x xx (W-series) firmware # : WW PCIPED- 1.16 applic # :	4-20080	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
Gemalto MagIC³ R-series hardware # : C01xxxxxxxx xx x xx firmware # : WW PCIPED- 1.16 applic # :	4-20072	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
MacIC³ P-5 hardware # : E02xxxxxxxxxxxxxx firmware # : WW PCIPED-P117 applic # :	4-20103	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
MagIC³ P-3 hardware # : E01xxxxxxxxxxxxxx firmware # : WW PCIPED-P117 applic # :	4-20082	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
MagIC³ X-series hardware # : A01xxxxxxxx xx x xx firmware # : WW PCIPED- 1.16 applic # :	4-20041	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓

Gilbarco							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
INT 1214-5210 hardware # : CCC 1214-521Z R1V firmware # : 414-0433-R1X applic # :	4-20103	PCI 1.x	EPP	30 Apr 2014	Online Only	DUKPT	

SPOT M2 OPT hardware # : PED: SPOT M2 OPT, CR: SPOT M2 OPT or SPOT M3c (both manual/motorized card reader) firmware # : OS 01.01 only SPOT M2 OPT card readers, OS 01.03 with SPOT M2 OPT or SPOT M3c card readers applic # : PIN PAD Version 01.02 only with SPOT M2 OPT card readers, PIN Pad version 01.04 with SPOT M2 OPT or SPOT M3c card readers	4-20001	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
SPOT M3c hardware # : keyboard: GVR KeyPad, INT 1214-5250, display: M3c Display or M3c Display Rev.B card reader: GVR Reader (manual/motorized) Panasonic Reader (manual) firmware # : OS 01.03 applic # : PIN Pad Version 01.03 (GVR Reader only) or PIN Pad Version 01.05(GVR Reader and Panasonic Reader)	4-20045	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
SPOT M4 hardware # : Keyboard: GVR SPOT Keypad Unit 2.0; Display: SPOT M407 Display (7"), SPOT M412 Display (12"); Card Reader: GVR HO-MR Reader (motorized), GVR NS-MR Reader (motorized) firmware # : OS 01.03 applic # : PIN Pad 01.06	4-20114	PCI 2.x	PED	30 Apr 2017	Online & Offline	Fixed, MK/SK, DUKPT	✓
SPOT PAD hardware # : SPOT M3c firmware # : SP0200 applic # :	4-20086	PCI 1.x	EPP	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	

GLINTT-Technology Enabled Services S.A. (formerly ParaRedeTecnologias de Informacao, S.A.)

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
SEDNA PIN pad hardware # : 1200xxxx firmware # : 01.00 applic # :	4-20011	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK	✓
TITAN hardware # : 1200xxxxl firmware # : 01.00 applic # :	4-20100	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓

Globalcom Engineering srl

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
BI 3000 BI 3000K/BI 3000R hardware # : R4.02 x 04.xx.xx - R3.02 x 02.xx.xx firmware # : Global Blue 1.X applic # :	4-20102	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK	✓
BR7000-P hardware # : A1.06 x 05 xx.xx firmware # : Global Blue 1.X applic # :	4-20099	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK	✓

Golden Port Technology Limited

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
M.POS2002 hardware # : V5-1, V6-1 firmware # : PCI Firmware V1.0.0, V2.0.0 applic # : PCI OnlineOfflineV1.0.0	4-40008	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✔
Positron hardware # : v1-0xxxxxxxxx firmware # : PCI Firmware v1.0 applic # :	4-40027	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✔

GRG Banking Equipment Co., Ltd

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
EPP-001, EPP-002 hardware # : YT2.232.010V1.xx, YT2.232.013V1.xx firmware # : YT2.480.027V1.xx applic # :	4-40002	PCI 1.x	EPP	30 Apr 2014	Online Only	MK/SK	

Hangzhou Eastcom Financial Technology Co., Ltd

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
EC2001 hardware # : EC2001x firmware # : 1.4 applic # : 1.0	4-10017	PCI 1.x	EPP	30 Apr 2014	Online Only	MK/SK	

Hitachi-Omron Terminal Solutions Corp.

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
TS-M552 hardware # : TS-M552-xxx-A firmware # : HOTS-EPP-B 061019 applic # :	4-10022	PCI 1.x	EPP	30 Apr 2014	Online Only	MK/SK, DUKPT	

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[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

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Approved PIN Entry Devices

Last Update: Oct 9th, 2009

101 Vendors, 302 Devices

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

HLT Ltd							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
Mobile Transact 3000 hardware # : 4.1.1, 4.1.5 firmware # : 0.38.4, 0.38.5 applic # :	4-10002	PCI 1.x	PED	30 Apr 2014	Offline Only	-	✓

HomeATM							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
SafeTPIN hardware # : 3.0 firmware # : 1.02 applic # :	4-40035	PCI 2.x	PED	30 Apr 2017	Online Only	DUKPT	

Honeywell Imaging and Mobility							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
TT8501 hardware # : xxxxA, xxxxB, xxxxC firmware # : Ver. 4.0 [CLASSB 31205632-002], Ver 4.2 [CLASSB 31205632-004], Ver 4.3 [CLASSB 31205632-005] applic # :	4-10059	PCI 1.x	PED	30 Apr 2014	Online Only	DUKPT	

HTEC Limited							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level ⁷
Hydra OPT Secure Enclosure 950-00243-100 hardware # : 1 firmware # : 02.23 applic # : 01.10	4-10001	PCI 1.x	PED	30 Apr 2014	Offline Only	-	✓
IPP hardware # : 950-00228-1xx firmware # : 02.xx applic # : 01.xx	4-30026	PCI 1.x	PED	30 Apr 2014	Offline Only		✓

Hypercom

PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
Artema Compact V3 hardware # : P703 - xxxx, P703-xxxx/Amm/F1M firmware # : ArtemaPCI_SF_V0001_Mfxxyz (Standard Branch), ArtemaPCI_SF_V0004_Mfxxyz, ArtemaPCI_SF_V0005_Mfxxyz applic # :	4-10034	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
Artema Hybrid hardware # : P744-3xxx/Axx/F3x P744-3xxx/Axx/F2x P744 3041 /Axx/F11 P744 3042 /Axx/F11 P744 3043 /Axx/F11 P744 3044 /Axx/F11 P744 3045 /Axx/F11 P744 3046 /Axx/F11 firmware # : 6667-3-230-03PR applic # : 6667-3-222-6OPR (EMV) 6667-3-222-YOPR (Online)	4-20017	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
Artema PIN Unattended 7900 hardware # : PED: P951-3xxx or P951-3xxx/ Ayy /F3z; CR: P167-3xxx, Artema Card Reader Manual, P168-3xxx Artema Card Reader Motorised firmware # : PED: 6667-3-230-07PR or APU_SF_V0001_MFxxxx, CR: 2456-5-500-00PS revision 01.15 or 02.04 applic # :	4-20009	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
Artema PIN Unattended Compact hardware # : PED: P950-3xxx/Ayy/F3z CR: P167-3xxx, Artema Card Reader Manual P168-3xxx, Artema Card Reader Motorised firmware # : PED: 6667-3-230-06PR or APU_SF_V0001_MFxxxx CR: 2456-5-500-00PS revision 01.15 or 02.xx applic # :	4-20010	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓
Artema Portable/Mobile hardware # : P47x-xxxx firmware # : 6667-3-230-00PR(hardware security module), 4432-5-041-00PR(terminal) applic # : 6667-3-222-6OPR(EMV), 6667-3-222-YOPR(terminal)	4-20108	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓
Artema S10 hardware # : P901-1xxxRev0, P901-xxxx/Amm/F0M or P901-xxxx/Amm/F1M firmware # : Artema secure core 1.y.z Ext_1_1.x Artema Secure core 2.Y.Z 6667-3-230-1APR (CDF- Emulation) applic # : A55C8852_01XX 6667-3-222-6OPR (ADF-EMV) 6667-3-222-YOPR (ADF-Online)	4-20058	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	

Artema S2x hardware # : P920-cszz/Amm/FOM firmware # : Artema Secure core 1.y.z Ext_1_1.x applic # : A55C8852_01XXYY	4-20084	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
Artema S7x hardware # : P45y-czzz/Amm/FOM firmware # : Artema Secure core 3.y.z applic # : Visa ASSM: A55C8850_01XX, EMV ASSM: A55C8851_01XX	4-20085	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
Artema Wireless V3 hardware # : P46x-xxxx, P46Z-xxxx/Amm/F1M firmware # : ArtemaPCI_SF_V0002_MFxxxx, ArtemaPCI_SF_V0004_Mfxyyz, ArtemaPCI_SF_V0005_Mfxyyz applic # :	4-10043	PCI 1.x	PED	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
EPP V5 hardware # : P944-3xxx-xx firmware # : 1900-03.2x, 191y-02.0x, 1920-02.2x y = communication option x = bug fixes applic # : 1960-05.0x, 1962-05.0x x = bug fixes	4-20036	PCI 1.x	EPP	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	
EPP V5 Kombi-Alpha hardware # : P938-30xx-xx, P938-31xx-xx, P938-32xx-xx, P938-33xx-xx firmware # : 1900-03.2x, 191y-02.0x, 1920-02.2x y = communication option x = bug fixes applic # : 1960-05.0x, 1962-05.0x x = bug fixes	4-20047	PCI 1.x	EPP	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	
EPP V5 Kombi-Kompakt hardware # : P937-30xx-xx, P937-31xx-xx, P937-32xx-xx, P937-33xx-xx firmware # : 1900-03.2x, 191y-02.0x, 1920-02.2x y = communication option x = bug fixes applic # : 1960-05.0x, 1962-05.0x x = bug fixes	4-20060	PCI 1.x	EPP	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	
EPP V5 Multi-Alpha hardware # : P939-30xx-xx, P939-31xx-xx, P939-32xx-xx, P939-33xx-xx firmware # : 1900-03.2x, 191y-02.0x, 1920-02.2x y = communication option x = bug fixes applic # : 1960-05.0x, 1962-05.0x x = bug fixes	4-20062	PCI 1.x	EPP	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	
EPP V5 PK hardware # : P936-30xx-xx firmware # : 1900 - 03.2x, 1900 - 02.0x, 1900 - 02.2x y = communication option, x = bug fixes applic # : 1960 - 05.0x, 1962 - 05.0x x = bug fixes	4-20078	PCI 1.x	EPP	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	

<p>EPP V6</p> <p>hardware # : P930-30xx-xx, P930-31xx-xx</p> <p>firmware # : 1901 - 04.1x 1915 - 03.0x 1921 - 03.1x x = bug fixes</p> <p>applic # : 1950 - 06.0x 1952 - 04.8x 1964 - 01.0x 1975 - 02.0x x= bug fixes</p>	4-20105	PCI 2.x	EPP	30 Apr 2017	Online Only	Fixed, MK/SK, DUKPT
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[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

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Approved PIN Entry Devices

Last Update: Oct 9th, 2009

101 Vendors, 302 Devices

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [16](#)

Hypercom							
PED Identifier ¹	Approval Number ²	PCI Version	Device Type ³	Expiry Date ⁴	PIN Entry Option ⁵	TDES Capable ⁶	EMV Level 1 ⁷
EPP V6 Standard hardware # : P930-30xx-yy, P930-31xx-yy firmware # : 1901 - 04.0x 1914 - 03.0x 1921 - 03.0x applic # : 1950 - 04.4x 1952 - 04.7x 1975 - 02.0x	4-20093	PCI 1.x	EPP	30 Apr 2014	Online Only	Fixed, MK/SK, DUKPT	
EPP: K1200,CR: H2210 or H2220, SD: C4010 hardware # : EPP: HW#050002, CR: F8212xxx, F8213xxx or F8222xxx, SD: HW#050003 firmware # : K1200 EPP: SEC Loader: RLL11.02, SEC APPL: FR 006 020 (without C4010SD), FR 033 020 (with C4010 SD); H2210 CR: SCAD Booter: FU 071 041, SACD APPL: FU 070 03x; H2220 CR: SCAD Booter: FU 071 041, SCAD APPL: FU 092 01x, version number >= FU 092 015, C4010 SD: Application Manager v3.3 applic # :	4-20081	PCI 1.x	EPP	30 Apr 2014	Online & Offline	MK/SK, DUKPT	✓
K800 Artema PIN Unattended Compact hardware # : P950-3xxy firmware # : K800_APU_SF_SP0001_MFxxxx applic # :	4-20032	PCI 1.x	PED	30 Apr 2014	Online Only	MK/SK	
L4150 hardware # : 020003, 020005 firmware # : FPE 4.P.010, FPE 4.P.020 applic # :	4-60004	PCI 1.x	PED	30 Apr 2014	Online & Offline	Fixed, MK/SK, DUKPT	✓

