

Recommended Peripherals List

The peripherals listed in the tables below have been tested and certified by Keri Systems to work properly in PXL-500/PXL-510 access control systems. Basic support (switch settings, software settings, and wiring diagrams) for these peripherals is available from Keri Systems. Peripherals not purchased from Keri Systems are not covered by any Keri Systems warranty. Keri Systems is not required to provide support for items not listed below and can not guarantee that unlisted peripherals will operate properly in PXL-500/PXL-510 access control systems.

Power Supplies

Minimum Requirements

- regulated, linear power supplies recommended
- approved switching power supplies (switching power supplies that generate EMI will degrade the system performance and are not approved for use)

Table 1: Recommended Power Supplies

Manufacturer	Description	Model Number	Available from Keri Systems	Normally Stocked	Works with EntraGuard Gold	KeriSystems Part Number
ESD ^a	12 Volt 2 Amp	LP-2	YES	YES	YES	KPS-5
ESD	12 Volt 10 Amp	LP-10	YES	YES	YES	KPS-11
Power One	12 Volt 3.4 Amp	HC12- 3.4A	NO	NO	NO	-
Power One	12 Volt 1.7 Amp	HB12- 1.7A	NO	NO	NO	-
Golden Pacific	12 Volt 1.2 Amp	PD- 1212AR	YES	YES	YES	KPS-7

a. For more information see www.securitypower.com.

Surge and Lightning Protectors

Minimum Requirements

- 3 stage protection device

Table 2: Recommended Surge and Lightning Protectors

Manufacturer	Description	Model Number	Available from Keri Systems	Normally Stocked	Works with EntraGuard Gold	KeriSystems Part Number
HyperLink Technologies, Inc. ^a	3 stage protection device	HGLN-D2-05	NO	NO	YES	-

a. For more information see www.hyperlinktech.com.



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Modems

Minimum Requirements

- Hayes compatible
- nonvolatile (NV) RAM back-up
- communicates at 9600 baud or greater

Table 3: Recommended Modems

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Works with EntraGuard Gold	Keri Systems Part Number
AOpen	External 56K ^a	FM56-EXV	YES	YES	YES	–
3-Com/USR	Internal 56K ^{b c}	5685	NO	–	NO	–
3-Com/USR	External 56K	5686	NO	–	NO	–

- a. When connecting to a remote site via modem, Keri Systems requires that the modems used be from the same manufacturer at both the host computer and the remote site. This eliminates the possibility of incompatibilities between modems from two different manufacturers from affecting the communication between access control network and *Doors* software. Keri Systems cannot be held responsible for problems caused by incompatibilities between modems from two different manufacturers.
- b. An internal modem can be installed through the computer's Plug 'n' Play feature or be installed using the modem's configuration jumpers, but the modem must be installed correctly to ensure there are no conflicts between existing devices. Device conflicts directly affect the operation of *Doors* software.
- c. The 3-Com/US Robotics internal modem is only recommended for use with *Doors* 32-bit software.

NOTE: When adding a 56K modem to an existing access control network, all 56K modems in the network must be .v90, or greater, compatible to prevent communication problems between the modems.

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Short-Haul Modems (Line Drivers) for Extended RS-232 Communication Minimum Requirements

- none

Table 4: Recommended Short-Haul Modems

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Works with EntraGuard Gold	Keri Systems Part Number
Telebyte ^a	Short Haul Direct Connect	209	YES	YES	YES ^b	SHM-232
Telebyte ^a	Short Haul Direct Connect	201	NO	–	YES ^b	–
Telebyte ^a	Short Haul Dial Connect	206	NO	–	YES ^b	–

a. For more information see www.telebyteusa.com.

b. The Short Haul modems are too large to fit in the EntraGuard Gold box, so an extension cable needs to be constructed to relocate the short haul modem and allow the EntraGuard Gold front panel to be closed properly. For instructions on creating the extension cable, see the Short Haul Modem Quick Start Guide P/N 01850-001.

Bar Code Readers

Minimum Requirements

- 26-bit Wiegand output
- capable of reading code 3 of 9 bar codes

Table 5: Recommended Bar Code Readers

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
TimeKeeping Systems ^a	Indoor/Outdoor Reader	NCDR-7	NO	–	–
International Bar Code ^b	Indoor/Outdoor Reader	IHG0L000 W6R2	YES	YES	BC-50

a. For more information see www.ezbarcode.com.

b. For more information see www.interbar.com.

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Magnetic Stripe Readers

Minimum Requirements

- up to 34-bit Wiegand output
- capable of reading ABA Track-2 cards

Table 6: Recommended Magnetic Stripe Readers – Up to 34-bits

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Dorado ^a	Indoor Pass-Through	612	NO	–	–
Dorado ^a	Outdoor Pass-Through	612 WP	NO	–	–

a. For more information see www.doradoproducts.com.

Minimum Requirements

- 26-bit Wiegand output
- capable of reading ANSI or EMPI cards

Table 7: Recommended Magnetic Stripe Readers – 26-bit

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Dorado ^a	Indoor Pass-Through	644	NO	–	–

a. For more information see www.doradoproducts.com.

Keypads

Minimum Requirements

- 26-bit Wiegand output

Table 8: Recommended Keypads

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Essex ^a	3x4 Keypad	KTP-103-S	YES	YES	SX-34
Essex ^a	2x6 Keypad	KTP-102-S	YES	NO	SX-26

a. For more information see www.keyless.com.

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Wiegand Stripe Readers

Minimum Requirements

- 5 to 12 VDC

Table 9: Recommended Wiegand Stripe Readers

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
HID ^a	Imbedded Wire	310	NO	NO	-

a. For more information see www.hidcorp.com.

Biometric Readers

Minimum Requirements

- 26-bit Wiegand output

Table 10: Recommended Biometric Readers

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Biometric Access Corporation ^a	Facial Recognition	PAC-100	NO	-	-
Recognition Systems, Inc. ^b	Hand Geometry	ID3D-R	YES	NO	-
Recognition Systems, Inc. ^b	Hand Geometry	HG-100	YES	NO	HK-CR
Bioscrypt Identification, Inc. ^c	Fingerprint Verification	V-Pass	YES	-	-
Bioscrypt Identification, Inc. ^c	Fingerprint Verification	V-Flex	YES	-	-
Bioscrypt Identification, Inc. ^c	Fingerprint Verification	V-Prox	YES	-	-
Bioscrypt Identification, Inc. ^c	Fingerprint Verification	V-Smart	YES	-	-

a. For more information see www.biometricaccess.com.

b. For more information see www.handreader.com.

c. For more information see www.bioscrypt.com.

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Wiegand Proximity Readers

Minimum Requirements

- 5 to 12 VDC
- Wiegand output

Table 11: Recommended Wiegand Proximity Readers

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Pyramid	Proximity Reader	MCR-403 P-300 Cascade P-400 Gibraltar P-500 Alps P-600 Rocky P-700 Yukon P-650 Card+PIN Reader and Keypad	YES	YES	–
HID ^a	Proximity Reader	MiniProx-5365 ProxPro-5355	NO	–	–
Indala ^b	Proximity Reader	ASP Series	NO	–	–

a. For more information see www.hidcorp.com.

b. For more information see www.indala.com.

Wiegand RF Readers

Minimum Requirements

- Wiegand output

Table 12: Recommended Wiegand RF Readers

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Active Control Technology ^a	RF Receiver	ACT-5400	YES	YES	RPB-200
Active Control Technology ^a	MicroSize RF Transmitter	3710	YES	YES	RMT-1
Active Control Technology ^a	RF Receiver	RPB-68	YES	NO	RPB-68
Linear	RF Receiver	WOR	YES	YES	RLB-500
Linear	RF Receiver	MDR	YES	YES	RLB-568
Linear	RF Transmitter	ACT-34B	YES	YES	RLT-4
Door King ^b	SuperHet RF Receiver	8059	NO	–	–
Sentex ^c	Long Range Receiver	26-00-RCV	NO	–	–

a. For more information see www.activecontrol.com.

b. For more information see www.doorking.com.

c. For more information see www.sentexsystems.com.

Recommended Peripherals List

Web Cameras/Digital Cameras – for Badging Applications

Minimum Requirements

- varies by operating system

Table 13: Recommended Web Cameras/Digital Cameras

Manufacturer ^a	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Canon	digital camera	A400 PowerShot	YES	YES	–
Logitech	Win 98 USB web cam	QuickCam Pro 3000	NO	NO	–
Creative	Win USB web cam	PC-Cam 550	NO	NO	–
Creative	Win USB web cam	PC-Cam 750	NO	NO	–

- a. Refer to the Manufacturer's web site for camera information.

Fiber Optic Data Link

Minimum Requirements

- RS-485 communications

Table 14: Recommended Fiber Optic Data Link Devices

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
International Fiber Systems (IFS)	Single Line RS-485 Fiber Optic Link	D1300	NO	–	–
International Fiber Systems (IFS)	Two Line RS-485 Fiber Optic Link	D2300	NO	–	–

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USB Port Adaptors Minimum Requirements

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Table 15: Recommended USB Adaptors

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Works with EntraGuard Gold	Keri Systems Part Number
IOGEAR	USB PDA/ Serial Adaptor	G-UC232A	?	?	YES	-
Belkin	USB Serial Adaptor	F5U103	?	?	YES	-