

Recommended Peripherals List

The peripherals listed in the tables below have been tested and certified by Keri Systems to work properly in a Keri Systems access control system. All peripherals are approved for operation with the PXL-250 controller. A “Works with EntraGuard Gold” column is included (where applicable) to denote certified operation with an EntraGuard Gold controller¹. 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 a Keri Systems access control system.

Power Supplies

Minimum Requirements

- regulated, linear power supplies **ONLY** – switching power supplies generate EMI that degrades system performance

Table 1: Recommended Power Supplies

Manufacturer	Description	Model Number	Available from Keri Systems	Normally Stocked	Works with EntraGuard Gold	Keri Systems Part Number
ESD	12 Volt 2 Amp	LP-2	YES	YES	YES	KPS-5
ESD	24 Volt 2 Amp	LP-2	YES	YES	YES	KPS-6 ^a
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 use with the MS-9000 Proximity Reader.

1. If there is no “Works with EntraGuard Gold” column, that peripheral is not certified to work with an EntraGuard Gold controller.



Recommended Peripherals List

Modems

Minimum Requirements

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

Table 2: Recommended Modems

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Works with EntraGuard Gold	Keri Systems Part Number
Harmony	External 56K ^a	FB V1456VQE-R	YES	YES	YES	EXM-56
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 compatible to prevent communication problems between the modems.



Recommended Peripherals List

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

Minimum Requirements

- none

Table 3: Recommended Short-Haul Modems

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

- a. The Short Haul modems are too large to fit in the EntraGuard Gold box. 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 4: Recommended Bar Code Readers

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



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Magnetic Stripe Readers

Minimum Requirements

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

Table 5: Recommended Magnetic Stripe Readers – Up to 34-bits

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

Minimum Requirements

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

Table 6: Recommended Magnetic Stripe Readers – 26-bit

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



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Keypads

Minimum Requirements

- 26-bit Wiegand output

Table 7: Recommended Keypads

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

Wiegand Stripe Readers

Minimum Requirements

- 5 to 12 VDC

Table 8: Recommended Wiegand Stripe Readers

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



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Biometric Readers

Minimum Requirements

- 26-bit Wiegand output

Table 9: Recommended Biometric Readers

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Biometric Access Corporation	Facial Recognition	PAC-100	NO	–	–
Recognition Systems, Inc.	Hand Geometry	ID3D-R	YES	NO	–
Recognition Systems, Inc.	Hand Geometry	HG-100	YES	NO	HK-CR
Biometric Identification, Inc.	Fingerprint Verification	Veriprint 2000	NO	–	–

Wiegand Proximity Readers

Minimum Requirements

- 5 to 12 VDC
- Wiegand output

Table 10: Recommended Wiegand Proximity Readers

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
HID	Proximity Reader	MiniProx - 5365 ProxPro - 5355	NO	–	–
Indala	Proximity Reader	ASP Series	NO	–	–

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Wiegand RF Readers
 Minimum Requirements
 - Wiegand output

Table 11: Recommended Wiegand RF Readers

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Active Control Technology	RF Receiver	ACT-5400	YES	YES	RPB-200
Active Control Technology	MicroSize RF Transmitter	3710	YES	YES	RMT-1
Active Control Technology	RF Receiver	-	YES	NO	RPB-68
Door King	SuperHet RF Receiver	8059	NO	-	-
Sentex	Long Range Receiver	26-00-RCV	NO	-	-

Card Slot Punch
 Minimum Requirements

- must keep cards flat during the card punch process – punches that bend cards during punching can damage the cards

Table 12: Recommended Card Slot Punch

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
Caulastics	Manual Desktop Slot Punch	1500 LA	NO	-	-



Recommended Peripherals List

Web Cameras/Digital Cameras – for Badging Applications

Minimum Requirements

- varies by operating system

Table 13: Recommended Web Cameras/Digital Cameras

Manufacturer	Description	Model Number	Available From Keri Systems	Normally Stocked	Keri Systems Part Number
ValCam	Win NT web cam	IDZoom	NO	NO	–
ViCam	Win 95, 98, NT web cam	All-In-One	YES	NO	–
Kodak	Win 98 USB web cam	DVC325	YES	NO	–
Logitech	Win 98 USB web cam	QuickCam Pro 3000	YES	YES	–

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	–	–