

# 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 controller<sup>1</sup>. 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 <sup>a</sup>
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 <sup>a</sup>	FB V1456VQE-R	YES	YES	YES	EXM-56
3-Com/USR	Internal 56K <sup>b c</sup>	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 <sup>a</sup>	SHM-232
Telebyte	Short Haul Direct Connect	201	NO	-	YES <sup>a</sup>	-
Telebyte	Short Haul Dial Connect	206	NO	-	YES <sup>a</sup>	-

- 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



# Recommended Peripherals List

## 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	–	–

# Recommended Peripherals List

## 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	-



# Recommended Peripherals List

## 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	–	–

# Recommended Peripherals List

**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	–	–