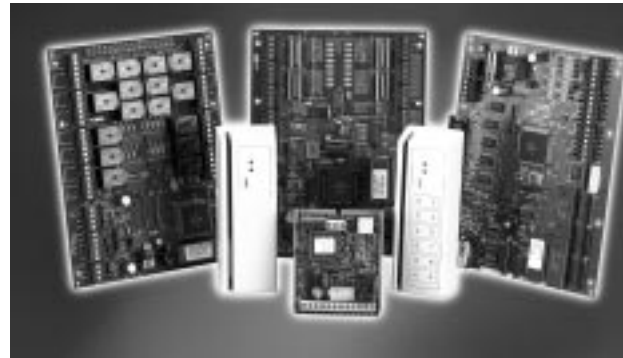


# PointGuard System

**P**ointGuard™ is designed to manage small- to mid-sized access control systems with the industry's easiest system startup and user interface on the market. The system software provides a seamless interface to the PointGuard System Processor (PSP) for the setup, management and archival of access functions.

The software uses a Windows® 95 system tree to indicate real-time status, generate system commands and edit the properties of any door, input or output. PointGuard manages thousands of cardholder records and has user-defined data fields that can be customized for each application. PointGuard software also automatically uploads and displays any events generated by field hardware while permanently storing the information on the PC hard drive for future queries or reports. All reports are compatible with Crystal Reports and can easily be modified to fit most user's needs.

As the system's main access control hardware, the PointGuard System Processor (PSP) controls "who goes where and when." Using a configuration downloaded from the PointGuard software, the PSP provides the real-time processing for all Door Interfaces (DIF), Alarm Input Controllers (AIC) and Relay Output Controllers (ROC). Also, the PSP remains completely functional whether on- or off-line from the computer.



## SOFTWARE FEATURES

- True 32-Bit Windows®95 or NT application
- 5000 Cardholder database
- Single-screen "Quick StartUp"
- User defined transaction window filter and size
- Windows®95 "System Tree" with live icons
- User defined cardholder data fields
- Automatic download of any add, delete or edit
- "Point and Click" commands and overrides
- 2-year limited warranty

## HARDWARE FEATURES

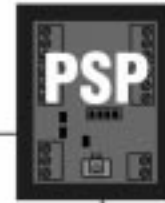
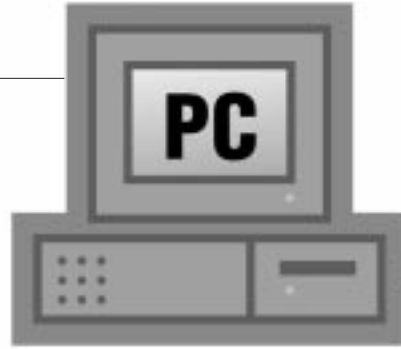
- 5000 Cardholder memory
- 10,000 event log buffer memory
- Global event(I/O) linkage
- Global Anti-passback
- Controls 24 Door Interfaces (DIF) per PSP
- Controls 4 Alarm Input Controllers (AIC) per PSP
- Controls 4 Relay Output Controllers (ROC) per PSP
- RS-232, RS-485 or TCP/IP Ethernet PC to PSP communication
- 4 Channel RS-485 PSP to Controller Communication Port
- 2-year limited warranty



### PC REQUIREMENTS

-MINIMUM-

- Intel Pentium® 100MHz with 16MB RAM
- 800MB hard drive
- 2 serial ports and 1 parallel port
- SVGA monitor
- Microsoft Windows®95
- Crystal Reports Version 5.0 (optional)



### POINTGUARD SYSTEM PROCESSOR HARDWARE FEATURES

- 5000 cardholder memory
- 10,000 event log buffer memory
- Controls 24 Door Interfaces (DIF)
- Controls 4 Alarm Input Controllers (AIC)
- Controls 4 Relay Output Controllers (ROC)
- RS-232 or RS-485 PC communications port
- 4 channel RS-485 controller communication ports
- Global event (I/O) linkage
- Global Anti-Passback

### DOOR INTERFACE PROCESSOR

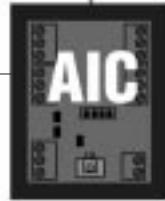
- Magnetic stripe, Wiegand, Proximity, Biometric, Barium Ferrite, Bar Code Technologies
- Supports Card/PIN readers from Ultrak, Motorola and HID
- RS-485 communication interface
- Onboard 12V dc reader power
- Request to exit (REX) and door status inputs
- Lock and auxiliary relay outputs
- Local door control intelligence
- Global event linking (through PSP)



24 max

### ALARM INPUT CONTROLLER FEATURES

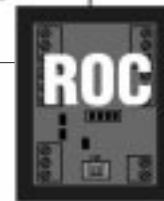
- 16 input monitoring points
- Software programmable normally open/normally closed
- Time zone based masking
- 2 relay control outputs
- Software programmable output pulse time (1 sec to 24 hrs)
- Global event (I/O) linkage (through PSP)



4 max

### RELAY OUTPUT CONTROLLER FEATURES

- 16 relay control outputs
- RS-485 communications interface
- Software programmable output pulse time (1 sec to 24 hrs)
- Time zone based ON/OFF control
- Programmable "fail secure or fail safe" modes
- Global event (I/O) linkage (through PSP)



4 max

32 Total

## HOST SPECIFICATIONS REV. (5.XX)

Cardholders	5000
Readers	96
Reader Technology	All industry standard formats
Inputs	256
Outputs	288
On-line History	100,000 events
Archived History	Unlimited (hard drive dependent)
Cardholder Data Fields	45
User Defined Data Fields	5 (256 characters each)
Reports	Over 20 standard
Access Levels	32 (2 per cardholder plus 1 temporary) per PSP
Timezones	32 (12 Start/Stop time intervals per timezone)
Holidays	16 (with 2 holiday schedules)

## POINTGUARD SYSTEM PROCESSOR SPECIFICATIONS (REV 2.X)

Primary Power	.DC:	12V dc +/- 15%, 350mA
	AC:	12V ac +/- 15%, 600mA
Backup		3 volt lithium, type BR2325 maintain RAM 30 days
Data Memory		256kb standard; >5000 cardholder and 10,000 events
Ports	.Port 1:	RS-232 or RS-485, 38.4 kbps, async
	Ports 2 - 5:	RS-485, 38.4 kbps, async
Inputs		2 dedicated; tamper and power monitor
Indication		3 status L.E.D.s
Termination		Removable screw terminals blocks
Wire Requirements	.Power:	1 twisted pair, 18AWG
	RS-485:	twisted pair with shield, 24AWG, 4000'(1200m) (Belden 9541)
	RS-232:	24AWG, 50' (15m) (Belden 9541)
Operating Temp.		32° F to 158° F (0° C to 70° C)
Ambient Humidity		10% to 95% (non-condensing)
Mechanical		6" W x 8" L x 1" H (152mm W x 203mm L x 25mm H)
Enclosure		11" W x 4" D x 15" H (279mm W x 102mm D x 381mm H) 20 gauge seel powder coated enamel finish, locking hinged door

### PRECONFIGURED SYSTEM COMPONENTS

PART #	DESCRIPTION
KPGSE	PointGuard enclosure with power supply
KPGS1	KPGSE with PSP and 2 KPGADIFs
KPGS2	KPGSE with 2 KPGADIFs
KPGS3	KPGSE with 4 KPGADIFs
KPGS4	KPGSE with alarm input controller AIC
KPGS5	KPGSE with relay output controller ROC

### ADD-ON COMPONENTS

PART #	DESCRIPTION
PRGREVXXX	PointGuard System software license
KPGADIF	PointGuard door interface
KPGACRN1	PointGuard magnetic stripe card reader
KPGACRK1	PointGuard magnetic stripe card reader w/keypad
MR-ASR 603	ASP SecureProx I
MR-ASR 605	ASP SecureProx II
MR-ASK 501	PinProx™ proximity reader with integrated keypad
KPGAMRC1	Magnetic stripe card (pack of 50)
MR-ASC121T	Proximity™ card (pack of 100)

## PointGuard System Configurations

### Typical 2 Door System - Magnetic Stripe Readers

Part #	Description	QTY
UL-KPGREVXXX	PointGuard Host Software for Windows and Window NT, required for initial system (numbers designate revision level)	1
UL-KPGS1	1 PointGuard System Processor and 2 Door Interface controllers, includes enclosure and 1 power supply	1
UL-KPGACRN1	Card Reader magnetic stripe, UL 294 listed, Indoor/Outdoor use	2
UL-KPGAMRC1	Magnetic stripe card, sequentially encoded with embossed ID (pack of 50)	1

### Typical 24 Door System with 16 Additional Alarm Inputs and Relay Outputs

Part #	Description	QTY
UL-KPGREVXXX	PointGuard Host Software for Windows 95 and Windows NT, required for initial system (numbers designate revision level)	1
UL-KPGS1	1 PointGuard System Processor and 2 Door Interface controllers, includes enclosure and power supply	1
UL-KPGS2	2 Door Interface controllers, includes enclosure and power supply, for system expansion	1
UL-KPGS3	4 Door Interface controllers, includes enclosure and power supply, for system expansion	5
UL-KPGS4	1 Alarm Input controller(s), 16 in/2 out, includes enclosure and power supply, for system expansion	1
UL-KPGS5	1 Relay Output controller(s), 0 in/16 out, includes enclosure and power supply, for system expansion	1
UL-KPGACRN1	Card Reader magnetic stripe, UL 294 listed, indoor/outdoor use	24
UL-KPGAMRC1	Magnetic stripe card, sequentially encoded with embossed ID (pack of 50)	2

### Typical 40 Door System with 32 Additional Alarm Inputs and Relay Outputs

Part #	Description	QTY
UL-KPGREVXXX	PointGuard Host Software for Windows 95 and Windows NT, required for initial system (numbers designate revision level)	1
UL-KPGS1	1 PointGuard System Processor and 2 Door Interface controllers, includes enclosure and power supply	2
UL-KPGS2	2 Door Interface controllers, includes enclosure and power supply, for system expansion	0
UL-KPGS3	4 Door Interface controllers, includes enclosure and power supply, for system expansion	9
UL-KPGS4	1 Alarm Input controller(s), 16 in/2 out, includes enclosure and power supply, for system expansion	1
UL-KPGS5	1 Relay Output controller(s), 0 in/16 out, includes enclosure and power supply, for system expansion	1
UL-KPGACRN1	Card Reader magnetic stripe, UL 294 listed, indoor/outdoor use	40
UL-KPGAMRC1	Magnetic stripe card, sequentially encoded with embossed ID (pack of 50)	2



### Ultrak Corporate Headquarters and Eastern Regional Office:

1301 Waters Ridge Drive  
Lewisville, TX 75057  
(800)796-2288 (972)353-6400 Fax (972)353-6670

### Ultrak Western Regional Office:

6252 West 91st Avenue  
Westminster, CO 80030  
(800)846-8884 (303)428-9480 Fax (303)429-6609



# PointGuard Access Control System

