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System Software

Alliance Professional Software

Alliance Professional software lets you run reports, manage system devices and provide diagnostic status.

- Used by both end-users or installers/service technicians
- GE Security DVR Video integration
- Photo ID Badging included
- Reporting capabilities, supports canned or custom reporting
 - real-time event logs, history logs, or customized printed reports
- Windows™ based GUI
- Full upload/download capabilities
- Management/backup facility for up to 9,999 systems (can be used in a central station environment to support multiple independent Alliance systems)
- Users card management including smart card programming
- Graphical maps for local alarm handling and system control
- Remote or on-site connections

Alliance Enterprise Software

This fully integrated system management software uses MS SQL (MSDE) client/server database. The Alliance Enterprise software lets you run reports and manage system devices.

- End-user package (client-server)
- GE Security DVR video integration
- Photo ID Badging (optional license required)
- Crystal reporting engine, supports canned or custom reporting
 - history logs, or customized printed reports
- Windows™ based GUI
- Limited upload/download capabilities
- Management/backup facility
- Users card management including smart card programming
- Graphical maps for local alarm handling and system control
- Remote or on-site connections

AL Enterprise Photo ID License

Features a high level integration of Imaging software into the Alliance Enterprise software.

- Per client license
- Allows cards bearing photographic identification to be produced on site.



AL-PROF	1 Workstation, 2 System Control Panels, 2 DVMRe
AL-ENTR-SINGLE	1 / 1 Server Client, 8 System Control Panels, 4 DVMRe
AL-ENTR-MULTI	1 / 4 Server Client, 64 System Control Panels, 16 DVMRe
AL-ENTR-PHOTO	Alliance Enterprise, Photo ID, Badging License

System Control Panels

AL-4617 System Control Panel (3 amp)

The Alliance system control panel is the central data processing unit for all system expansion devices. The panel provides the system with a means of communicating to remote devices such as readers, arming stations, and data gathering panels through the RS485 data bus. It communicates to the Alliance software via TCP/IP, RS232 or dial up modem. It also communicates input/zone alarm status to a central station.

- Supports up to 15 data gathering panels, 12 of which may be four door/elevator controllers
- Includes 1 MB memory expander (AL-1830) (refer to memory chart)
- On-board outputs/relays
 - Internal siren, monitored external siren, and strobe drivers.
- 16 inputs/zones (expandable to 256)
- 16 remote arming station (RAS) devices (LDC keypad, pin pad, card reader)
- 16 areas/partitions
- 1 output/relay (expandable to 255)
- Up to 4 central monitoring station numbers
- Maximum 5,000 feet data bus connection (expandable to 15,000 feet with repeaters)
- Current capacity = 3 amps, can be used to power additional 12 volt devices (card readers, sensors, strikes).
- See Alliance Panel Housing matrix for accurate housing, panel, transformer combinations



Did you know?

Alliance system control panels are sold without enclosures or transformers. For a complete, easy-to-order solution, consider ordering Alliance system kits which include a panel, enclosure, transformer and keypad.

Through a ribbon cable, you can cascade multiple AL-1206 cards on an Alliance system control panel and select DGP's to cost-effectively expand the total number of local inputs to 32.

AL-4017 System Control Panel (1 amp)

The Alliance system control panel is the central data processing unit for all system expansion devices. The panel provides the system with a means of communicating to remote devices such as readers, arming stations, and data gathering panels through the RS485 data bus. It communicates to the Alliance software via TCP/IP, RS232 or dial up modem. It also communicates input/zone alarm status to a central station.

- Supports up to 15 data gathering panels, 12 of which may be four door/elevator controllers
- Includes 1 MB memory expander (AL-1830) (refer to memory chart)
- On-board outputs/relays
 - Internal siren, monitored external siren, and strobe drivers
- 16 inputs/zones (expandable to 256)
- 16 remote arming station (RAS) devices (LDC keypad, pin pad, card reader)
- 16 areas/partitions
- 1 output/relay (expandable to 255)
- Up to 4 central monitoring station numbers
- Maximum 5,000 feet data bus connection (expandable to 15,000 feet with repeaters).
- Current capacity = 1 amp, can be used to power additional 12 volt devices (card readers, sensors, strikes).
- See Alliance Panel Housing matrix for accurate housing, panel, transformer combinations



AL-3017 System Control Panel (1 amp)

The Alliance system control panel is the central data processing unit for all system expansion devices. The panel provides the system with a means of communicating to remote devices such as readers, arming stations, and data gathering panels through the RS485 data bus. It communicates to the Alliance software via TCP/IP, RS232 or dial up modem. It also communicates input/zone alarm status to a central station via CID/SIA formats.

- Supports up to 12 data gathering panels, three of which may be four door/elevator controllers
- Includes 1 MB memory expander (refer to memory chart)
- On-board outputs/relays
 - Internal siren, monitored external siren, and strobe drivers
- 8 inputs/zones (expandable to 64)
- 16 Remote Arming Station (RAS) devices (LDC Keypad, Pin pad, Card Reader)
- 8 areas/partitions
- 1 output/relay (expandable to 255)
- Up to 4 central monitoring station numbers
- Maximum 5,000 feet data bus connection (expandable to 15,000 feet with repeaters).
- Current capacity = 1 amp, can be used to power additional 12 volt devices (card readers, sensors, strikes).
- See Alliance Panel Housing matrix for accurate housing, panel, transformer combinations



Did you know?

Alliance system control panels are sold without enclosures or transformers. For a complete, easy-to-order solution, consider ordering Alliance system kits which include a panel, enclosure, transformer and keypad.

Through a ribbon cable, you can cascade multiple AL-1206 cards on an Alliance system control panel and select DGP's to cost-effectively expand the total number of local inputs to 32.

Memory Expanders for Control Panel / Data Gathering Panel

AL-1830 1 MB Memory Expander

Supports up to 11,466 users using 26 bit Wiegand cards or Alliance cards. (Refer to Memory Matrix.)

AL-1831 4 MB Intelligent User Module (IUM)

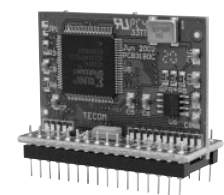
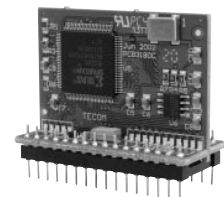
Supports up to 17,873 users and allows intelligent access control. (Refer to Memory Matrix.)

- Any Wiegand card format up to 48 bits.

AL-1832 8 MB Intelligent User Module (IUM)

Supports up to 65,535 users and allows intelligent access control. (Refer to Memory Matrix.)

- Any Wiegand card format up to 48 bits.

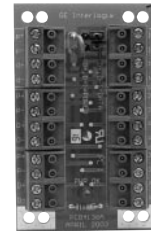


Communication Devices

AL-1330 Data/Power Distribution Module

The AL-1330 provides a simple means of star connecting the RS485 data bus of an Alliance system.

- Communicates through a single protected input port
- Provides 5 parallel RS485 output ports.
- Provides power LED for easy diagnostics
- Offers convenient RS485 LAN termination
- Size 1 card



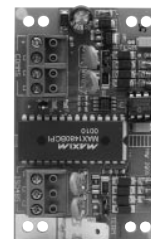
Did you know?

The Alliance modular ancillary cards give mix-and-match choices for designing the layout of your Alliance system. The cards are available in three standard sizes. The Alliance system enclosures have been custom-engineered to house many combinations and quantities of these cards.

AL-1740 System Bus Isolator/Repeater

The AL-1740 provides electrical isolation between multiple buildings.

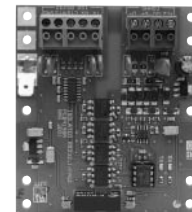
- May also be used to extend the data bus up to 5,000 feet per module
- 4 modules maximum
- LAN distance 15,000 feet max
- Size 1 card



AL-1741 RS485 to RS232 Interface

Converts the RS485 data bus into a standard RS232 bus, or vice-versa.

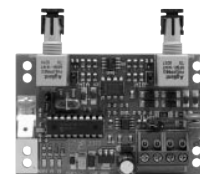
- Extends Alliance software RS232 communication to Alliance system control panel to 5,000 feet
- Size 2 card



AL-1743 Fiber Optic Interface

Converts the Alliance system bus to fiber-optic transmission.

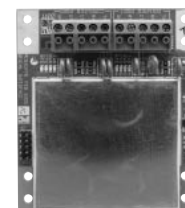
- Allows either multi-dropped connection when using a single optical fiber
- Allows point-to-point connection when using two optical fibers
- Size 1 card



AL-1801 Computer and Printer Interface

Provides direct connection to a PC running Alliance management software and has serial printer output

- Provides RS232 interface to an Alliance system control panel
- Can connect to either a PC or a report printer
- In combination with AL-1806, provides IP address to an Alliance system control panel



AL-1806 TCP/IP Network Interface card

The Ethernet port can be used to interface the Alliance panel to a LAN/WAN, allowing data to be sent to or received from either of the Alliance management software packages.

- Data is received from the Alliance panel in event mode to minimize network bandwidth utilization
- By using the AL-1806, the Alliance panel is able to report to the monitoring station via TCP/IP and/ or to the management software
- Size 3 card



Did you know?

When using an AL-1806 (TCP/IP network interface card) you must use an AL-1801 to connect to the system control panel.

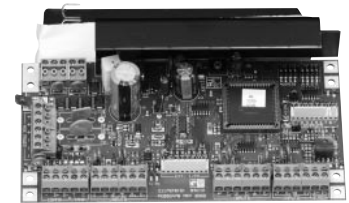
Data Gathering Panels

Alliance data gathering panels (DGPs) provide a flexible option for system expansion, functionality (inputs/zones, outputs/relays, card readers) or convenient connection points anywhere on the RS-485 data bus.

AL-1205: 8-Input Data Gathering Panel with integral power supply

This data gathering panel communicates on the Alliance RS485 data bus and is used for expanding system inputs/zones and outputs/relays remotely.

- Metal housing suggested
- Transformer required
- Includes eight on-board inputs/zones and a siren driver (expandable to 32 inputs/zones using the AL-1206)
- 16 outputs/relays can be added using the AL-1813 or 4 outputs/relays using AL-1810
- See Alliance Panel Housing matrix for accurate housing, panel, transformer combinations



Did you know?

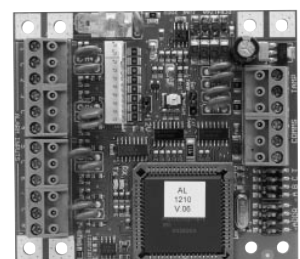
You cannot combine 4 relay (AL-1810) and 8 relay (AL-1813) cards on Alliance system control panel and DGP.

Through a ribbon cable, you can cascade multiple AL-1206 cards on an Alliance system control panel and select DGP's to cost-effectively expand the total number of local inputs to 32.

AL-1210: 8-Input Data Gathering Panel (max 8 zones)

This data gathering panel communicates on the Alliance RS485 data bus and is used for expanding system inputs/zones and outputs/relays remotely.

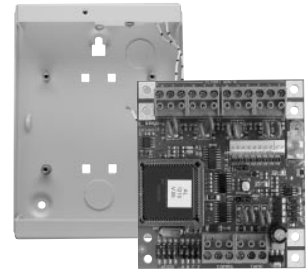
- Add up to 15 input/output data gathering panels to an Alliance system control panel
- Plastic or metal housing suggested
- Includes eight on-board inputs/zones
- 16 outputs/relays can be added using the AL-1813 or 8 outputs using 2x AL-1810
- See Alliance Panel Housing matrix for accurate housing, panel, transformer combinations



AL-1211: 8-Input DGP with Metal Housing

This data gathering panel communicates on the Alliance RS485 data bus and is used for expanding system inputs/zones and outputs/relays remotely.

- Add up to 15 input/output data gathering panels to an Alliance system control panel
- Includes AL-1685 metal housing
- Includes eight on-board inputs/zones
- 16 outputs/relays can be added using the AL-1813 or 8 outputs using 2x AL-1810



Did you know?

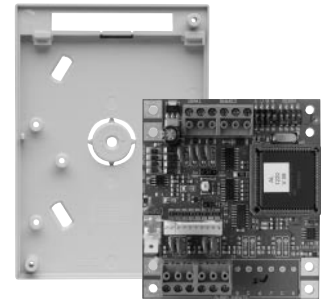
You cannot combine 4-relay (AL-1810) and 8 relay (AL-1813) cards on Alliance system control panel and DGP.

Through a ribbon cable, you can cascade multiple AL-1206 cards on an Alliance system control panel and select DGP's to cost-effectively expand the total number of local inputs to 32.

AL-1220: 4-Input Data Gathering Panel (max 4 zones)

The AL-1220 DGP is a standalone 4-zone input module packaged in a plastic housing with a tamper switch. This data gathering panel communicates on the Alliance RS485 data bus and is used for expanding system inputs/zones and outputs/relays remotely.

- Add up to 15 input/output data gathering panels to an Alliance system control panel
- Includes four on-board inputs/zones
- 16 outputs/relays can be added using the AL-1813 or 8 outputs using 2x AL-1810



AL-1231: Wireless Data Gathering Panel

(Refer to devices on page 9.)

The AL-1231 allows wireless technology to be utilized in an Alliance system. Easily add wireless sensors without expensive programming tools. This data gathering panel communicates on the Alliance RS485 data bus and is used for expanding system inputs/zones wirelessly.

- Wireless devices:
 - Key fobs, PIR's, magnetic contacts, glass break detectors.
- Supports up to 32 wireless devices
- Wireless arming/disarming, activate/deactivate output



AL-1265 Intelligent 4-Elevator Controller (3 amp)

Add elevator control with the AL-1265 controller

- Add up to 12 4-Elevator controllers to an Alliance system control panel
- Supports 4 elevator cabs and a combined total of 150 floors
 - Up to 64 floors per individual elevator cab
- Supports a variety of Wiegand reader technologies (up to 48 bits of data).
- Four programmable outputs/relays on-board (floor control)
 - Expand to 150 outputs/relays with AL-1813 relay modules
- Distributed database continues working in the event of a system failure
- Current capacity = 3 amps, can be used to power additional 12 volt devices (card readers, sensors, relays)
- See Alliance Panel Housing matrix for accurate housing, panel, transformer combinations



Did you know?

Each door port on a 4-door controller can support four devices such as LCD keypads, card readers or pinpads. This is particularly useful and cost effective when using of anti-passback.

You cannot combine 4-relay (AL-1810) and 8-relay (AL-1813) cards on Alliance system control panel and DGP.

AL-1256 Intelligent 4-Door Controller (3 amp)

Add true access control with the AL-1256, controlling up to 16 readers per panel (four per door).

- Add up to 12 4-door controllers to an Alliance system control panel
- Supports intrusion devices (arming stations, inputs/zones)
- Card and pin entry/exit per door
- Anti-passback, region control, 2 man rule, door interlocking (man traps)
- Sixteen additional inputs/zones (four per door) (note: the inputs/zones can be reprogrammed for other functions).
 - Door-open-too-long (DOTL)
 - Request-to-exit (RTE)
 - Door contact
 - Spare input
- Supports a variety of Wiegand reader technologies (up to 48 bits of data).
- Four lock relays on-board
 - Expand to 16 outputs/relays with AL-1813 relay modules
- Distributed database continues working in the event of a system failure
- Current capacity = 3 amps, can be used to power additional 12 volt devices (card readers, sensors, strikes, magnetic locks).
- See Alliance Panel Housing matrix for accurate housing, panel, transformer combinations



Did you know?

You cannot combine 4-relay (AL-1810) and 8 relay (AL-1813) cards on an Alliance system control panel and DGP.

AL-1291: Point ID Data Gathering Panel

(Refer to devices on page 9.)

The AL-1291 allows addressable technology to be utilized in an Alliance system. Easily add addressable sensors without expensive programming tools. This data gathering panel communicates on the Alliance RS485 data bus and is used for expanding system inputs/zones on an independent addressable bus.

- Addressable devices:
 - PIR's, magnetic contacts, glass break detectors, single/multi input devices
- Supports up to 32 addressable devices
- 2 wire addressable bus

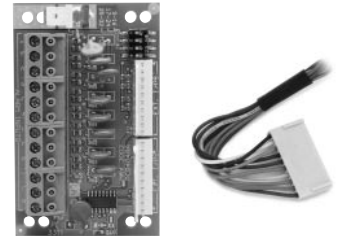


Input/Output Expansion Modules

AL-1206: 8-Input/Zone Expansion Card

The AL-1206 is a local 8-input zone expansion card that increases the number of zones on a system control panel or data gathering panel.

- The AL-1206 module provides 8 inputs.
- Includes connection cable
- Size 1 card



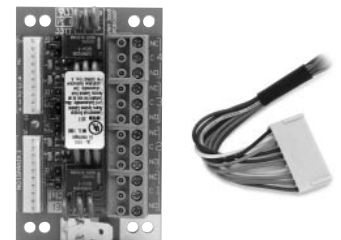
Did you know?

You can cascade multiple AL-1206 cards on an Alliance system control panel and select DGP's to expand the total number of inputs to 32.

AL-1810 4-Way Relay/Output Module

Through a ribbon cable connection, the AL-1810 allows cost-effective local relay expansion to selected DGP's and system control panels.

- The AL-1810 module provides 4 relays
- Includes connection cable
- Size 1 card



AL-1812 Relay/Output Module

The AL-1812 is a single relay designed for connection to a remote arming station to activate an electronic lock. This relay is typically located near the door.

- The AL-1812 is shipped as a strip of four relays that can be broken apart for single use applications
- Connects to a remote arming station and is used to activate a lock



AL-1813 8-Way Relay/Output Module

Through a ribbon cable connection, the AL-1813 allows cost effective local relay expansion to selected DGPs and system control panels.

- Provides 8 form C relays.
- Includes connection cable
- Size 3 Card



Did you know?

The Alliance modular ancillary cards give mix-and-match choices for designing the layout of your Alliance System. The cards are available in three standard sizes. The Alliance System enclosures have been custom-engineered to house many combinations and quantities of these cards.

Point ID and Wireless Transmitters

Wireless devices used with AL- 1231

60-707-01-95R	Wireless SAW 2-button keychain touchpad
60-670-95R	Wireless SAW door/window sensor
60-639-95R	Wireless SAW PIR motion Sensor
60-741-95	Wireless recessed micro door/window sensor
60-873-95	Wireless shatterpro glassbreak sensor
60-578-10-95	Wireless water resistant pendant panic sensor

Point ID devices used with AL- 1291

AP750-ID	Point ID 50- foot motion sensor
4I4O-ID	Point ID 4-in/4 out device
SI-ID	Point ID single input point ID expansion module
5845-ID	Point ID glassbreak

Readers, Keypads, and Combination Units – Remote Arming Stations

Remote Arming Stations (RAS)

Alliance remote arming stations (RAS) are connected directly on the RS485 system bus or to 4-door/elevator controllers. RAS devices are used for arming/disarming areas and door/access control.

Did you know?

Alliance Remote Arming Stations (RAS) consist of card readers, PIN pads, and LCD keypads and can arm/disarm system partitions. A RAS may be used to arm/disarm the alarm system while simultaneously granting access.

AL-1103: LCD Keypad

The AL-1103 remote arming station (RAS) is a primary user interface for navigating system programming, performing simple data entry, and controlling the Alliance system. The LCD scrolling text displays system status messages, programming menus, and all other system options.

- 8 LEDs to display area/partition status
- 2 line LCD display
 - Request-to-exit input
 - Open collector to activate lock relay
- Vertical flip top cover
- Beeper to differentiate between access granted/denied



AL-1108: LCD Keypad with Wiegand Interface

The AL-1108 remote arming station (RAS) is a primary user interface for navigating system programming, performing simple data entry, and controlling the Alliance system. The LCD scrolling text displays system status messages, programming menus, and all other system options.

- Same features as the AL-1103 plus Wiegand Interface for external card reader connection (PIN less arming/disarming, card and PIN applications)



AL-1111: LCD Keypad

The AL-1111 remote arming station (RAS) is a primary user interface for navigating system programming, performing simple data entry, and controlling the Alliance system. This LCD keypad displays system status messages, programming menus, and all other system options.

- 16 bi-colored LEDs to display area/partition status and ready to arm
- 4 line backlit LCD display
 - Request-to-exit input
 - Open collector to activate lock relay
- Vertical flip-top cover (not shown)
- Beeper to differentiate between access granted/denied



AL-1116: LCD Keypad with Integrated Smart Card Reader

The AL-1116 remote arming station (RAS) is a primary user interface for navigating system programming, performing simple data entry, and controlling the Alliance System. The LCD keypad displays system status messages, programming menus, and all other system options.

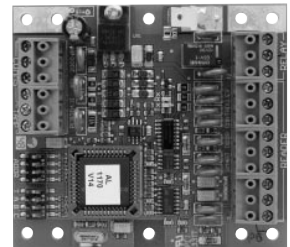
- 16 bi-colored LEDs to display area/partition status and ready to arm
- 4 line backlit LCD display
 - Request-to-exit input
 - Open collector to activate lock relay
- Vertical flip-top cover (not shown)
- Includes integrated Alliance smart card reader (PIN less arming/disarming, card and PIN applications)
- Beeper to differentiate between access granted/denied



AL-1170: Reader Interface Module

The AL-1170 reader interface module is used to interface HID/Wiegand type readers to the Alliance system control panel

- One on-board relay/output
- Request-to-exit input
- Requires enclosure
- Activates reader LEDs to indicate area armed/disarmed and door access status.
- See Alliance Panel Housing matrix for accurate enclosure options.



AL-1150: LED Plastic Membrane Keypad

The Plastic Membrane Keypad is designed for indoor applications.

- Four LEDs in 3 colors indicate area/access status
- Request-to-exit input
- Open collector to activate lock relay
- Tamper proof
- Aesthetically pleasing design
- Indoor applications
- Beeper to differentiate between access granted/denied



AL-1151: LED Heavy-Duty Keypad

The metal construction of the AL-1151 keypad is vandal resistant.

- Three LEDs in 3 colors indicate area/access status.
- Request-to-exit input
- Open collector to activate lock relay
- Tamper proof
- Outdoor/Indoor applications
- Rugged design
- Beeper to differentiate between access granted/denied



AL-1156: LED Heavy-Duty Keypad with Magstripe Reader

The metal construction of the AL-1156 keypad is vandal resistant.

- Three LEDs in 3 colors indicate area/access status
- Request-to-exit input
- Open collector to activate lock relay
- Tamper proof
- Outdoor/Indoor applications
- Rugged design
- Includes an integrated magstripe reader.
- Beeper to differentiate between access granted/denied



AL-1191 Smart Card Reader

The AL-1191 can be used indoors or outdoors. The plastic outer case is available in several colors and styles to match different decorating schemes. Cables are 10 feet long for ease of installation. This reader can connect directly to the Alliance data bus or to any of the intelligent four-door/elevator controllers.

- Options allow for interior mullion mounting or single gang box applications
- 10-foot connection cable for ease of installation.
- LEDs indicate area armed/disarmed and door access status
- Tamper proof
- Outdoor/indoor applications
- Request-to-exit input
- Open collector to activate lock relay
- Beeper to differentiate between access granted/denied



AL-1193 Heavy-Duty Smart Card Reader

The AL-1193 heavy-duty smart card reader is sealed for outdoor installations. This reader can connect directly to the Alliance data bus or to any of the intelligent 4-door/elevator controllers.

- Mounts on mullion
- 10-foot connection cable for ease of installation.
- LEDs indicate area armed/disarmed and door access status.
- Tamperproof
- Outdoor/Indoor applications
- Request-to-exit input
- Open collector to activate lock relay
- Beeper to differentiate between access granted/denied



AL-1410: Magstripe Reader

The AL-1410 is a chrome plated magstripe reader.

- Mounts on mullion
- LEDs indicate area armed/disarmed and door access status.
- Indoor applications
- Beeper to differentiate between access granted/denied.
- Can be connected to the Alliance data bus through the AL-1170 reader interface module
- Direct connection to the intelligent 4-door/elevator controllers



AL-1420: HID Proxpoint Plus Reader

HID 6005 ProxPoint Plus reader, 3" maximum read range (charcoal gray)



AL-1421: HID Door Frame Reader

HID 5365 MiniProx door frame/mullion proximity reader, 5" maximum read range (charcoal gray)



AL-1422: HID ProxPro Reader

HID 5355 ProxPro proximity reader, 9" maximum read range (charcoal gray)



AL-1423: HID ProxPro with Keypad

HID 5355 ProxPro proximity reader with 12-key keypad, 9" maximum read range (charcoal gray)



AL-1424: HID Long Range Reader

HID 5375 MaxiProx long range proximity reader, 24" maximum read range (charcoal gray)



AL-1425: HID ThinLine Switchplate Reader

HID 5395 ThinLine Switchplate proximity reader



AL-1197: Outdoor Smart card and pin code reader

The AL -1197 Alliance Smart Card Reader/Pinpad can be used inside or outside. The reader may connect directly to the Alliance data bus or to any of the 4 Door /Elevator controllers.

- Mounts on a dual gang box
- LED indicates area armed/disarmed; ready and alarm.
- Outdoor/ indoor applications
- Request to exit
- Open collector to activate a lock relay
- Beeper to differentiate between access granted/ denied
- Pin code



Access Cards and Accessories

AL-1440 HID Proxpoint Card II (50 Pack)

ProxCARD II proximity access card is a cost-effective solution to proximity access control.

- Offers universal compatibility with all HID proximity readers
- Provides an external number for easy identification and control.
- Standard 26 bit format



AL-1450 (50 pack), AL-1470, AL-1472, AL-1473 Smart Cards and Tags

High-quality proximity cards and tags have a two-inch read range. An additional smart chip is embedded inside, which offers many unique features.

- Alliance smart cards can be used with their unique ID number or the user can program a definable site/facility code and an ID number
- Read/write capability
- Offers the ability to program a unique 4 billion, 4-byte security code
- 4 memory areas for credit applications
- Cards can be printed with any industry-standard card printer (excluding AL-1450)
- Provides an external number for easy identification and control (excluding AL-1450)



AL-SLOT - 043 LSP slot punch



AL-1623 Smart Card Programmer

The AL-1693 smart card programmer works with the Alliance system to program and reprogram smart cards. The programmer offers extremely high security with 4 billion unique 4-byte security codes.

- RS232 cable and power pack included
- Programs all Alliance smart cards and tags
- AL-1480 - Default smart card for smart card programmer



Smart Card Reader Covers (Snap onto AL-1191)

AL-1660 card reader covers, white, 10-pack

AL-1661 card reader covers: red, 10-pack

AL-1662 card reader covers: gray, 10-pack

AL-1663 card reader covers, beige, 10-pack

AL-1664 card reader covers, black, 10-pack

AL-1665 card reader covers, light gray, 10-pack

AL-1668 Card Reader Cover, Rectangular, White (1 piece)



AL-BADGE

Photo ID Badging kit includes web camera with USB interface, 640x480 resolution, battery powered light source with AC adapter, tabletop tripod, tripod bracket for light source and camera, and photo ID badging installation and reference guide.



AL-PRINTER-1

Single Sided Hand Fed Card Printer, MagiCard Tempo Kit M9006-907, Dye Film, and starter cleaning kit. Prints a full color edge-to-edge in 40 seconds, and a monochrome image in 6 seconds. Software drivers are Windows 2000 & XP. Dimensions: 6.9" x 7.8" x 8.3" Weight: 7 lbs

- AL-REFILL-1
- AL-CLEANER-1



AL-PRINTER-2

Single Sided Hopper Fed Card Printer, MagiCard Avalon Kit M9006-644, Dye film, and starter cleaning kit. Prints a full color edge-to-edge in 35 seconds, and a monochrome image in 6 seconds. Software drivers are Windows 98, ME, 2000 & XP. Dimensions: 7.5" x 7.9" x 8.7" Weight: 15.8 lbs

- AL-REFILL-2
- AL-CLEANER-2



Enclosures

Housings are available in a variety of sizes and configurations to house your Alliance components.

AL-1680 Metal Housing, Large

The AL-1680 is a large metal housing can that can contain several combinations of card sizes; for example, the following cards can be combined with either the AL-4X17 system control panel or the intelligent 4-door/elevator controller:

- Up to four size-1 cards
- Two size-3 cards
- One size-3 with up to two size-1 cards
- One size-2 with up to three size-1 cards
- One size-2 with one size-3 and one size-1 card
- UL Approved (safe and vault)
- Hinged, lockable cabinet
- See attached matrix for accurate housing, panel, transformer combinations

Height: 21.4" Width: 14.9" Depth: 4.8"



AL-1682 Metal Housing, Large

The AL-1682 is a large metal housing can that can contain several combinations of card sizes; for example, the following cards can be combined with either the AL-4X17 system control panel or the intelligent 4-door/elevator controller:

- Up to four size-1 cards
- Two size-3 cards
- One size-3 with up to two size-1 cards
- One size-2 with up to three size-1 cards
- One size-2 with one size-3 and one size-1 card
- Hinged, lockable cabinet
- UL approved
- See attached matrix for accurate housing, panel, transformer combinations

Height: 21.1" Width: 14.6" Depth: 5"

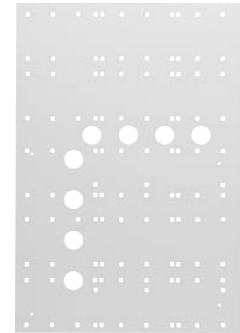


AL-1683 Metal Universal Mounting Plate, Large

The large metal universal mounting plate will fill the AL-1680 or AL-1682 large-size housings and offers a wide array of mounting options for size 1, 2, and 3 cards.

- UL approved
- See attached matrix for accurate housing, panel, transformer combinations

Height :20.5" Width: 14" Depth: 0.1"

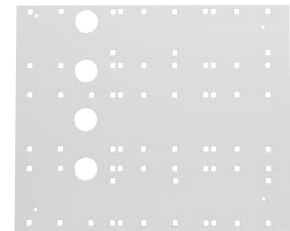


AL-1681 Metal Universal Mounting Plate. Medium

This UL-approved mounting plate does not fill the entire housing but offers a wide array of mounting options for size 1, 2, and 3 cards, leaving enough space at the bottom of the box for a power supply.

- UL approved
- See attached matrix for accurate housing, panel, transformer combinations

Height :11.6" Width: 14" Depth: 0.1"



Did you know?

The Alliance mounting plates fit inside the enclosure and allow additional accessory card mounting options.

AL-1684 Metal Housing, Medium

The AL-1684 is a medium metal housing can that can house the AL-3017, AL-4017, AL-4617 control panels.

- Hinged, lockable cabinet
- UL approved
- See attached matrix for accurate housing, panel, transformer combinations

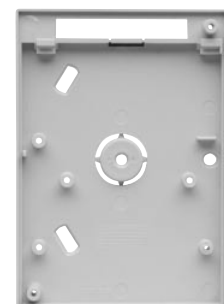
Height: 14.4" Width: 12.5" Depth: 4.1"



AL-1645 Plastic Housing, Small

This small plastic housing, in a light gray color, holds either a size-2 or size-1 card remotely from the panel.

Height: 4.9" Width: 3.4" Depth: 1.3"



AL-1685 Metal Housing, Small

The AL-1685 will house a size-1 or size-2 card remotely from the panel.

- UL approved
 - See attached matrix for accurate housing, panel, transformer combinations
- Height: 6.6" Width: 5" Depth: 1.6"



AL-1686 Metal Battery Box Housing

- Allows the system batteries to be separately installed away from the panel
 - UL approved
 - See attached matrix for accurate housing, panel, transformer combinations
- Height: 14.5" Width: 14.6" Depth: 5"



Power

AL-1672 Transformer

- 18 V, 100 VA, Class I transformer.
- See attached matrix for accurate housing, panel, transformer combinations



AL-1690 Transformer

- 24 V, 100 VA, Class I transformer.
- See attached matrix for accurate housing, panel, transformer combinations



AL-1691 Transformer

- 24 V, 50 VA, Class II transformer.
- See attached matrix for accurate housing, panel, transformer combinations



AL-1692 Plug-in

- 16.5V 50VA Class II Transformer.
- See attached matrix for accurate Housing, Panel, Transformer combinations



AL- 1693	Battery Harness Dual, 36 inch for 17.2Ah, control panel or dgp series
AL- 1697	Battery Harness Dual, 36 inch for 17.2Ah, AL-1256 or AL-1265 series
AL- 1698	Battery Harness Dual, 36 inch for 12Ah, control panel or dgp series
AL- 1699	Battery Harness Dual, 36 inch for 12Ah, AL-1256 or AL-1265 series

Cable and Connectors

AL-1630 J18 RS-232 interface Programming Cable

- Provides RS-232 communication between PC and Alliance System Control Panel
- 72", 9-pin straight-through cable
- Used to allow 4-hour programming connection from PC to Alliance system control panel



AL-1631: 20" and AL-1635: 5.5" Output Connectors

- Ribbon cables used for output (relay) boards AL-1810 or AL-1813
- Ribbon cables used for 8 zone expander board AL-1206



AL-1632: 16 ft and AL-1633: 49 ft RS-232 PC Interface Cables

- Provides permanent RS232 communication between PC and AL-1801, Computer /Interface board



Alliance Demo Material

AL-DEMO Alliance Demo Kit

The Alliance demo kit makes it easy to demonstrate Alliance to vertical markets such as Multi Tenant Buildings, Schools and Worship Centers, Retail/Financial Applications and Health Care Facilities.

The product includes an Alliance system control panel (AL-4017) smart card readers (AL-1191 & AL-1193), LCD keypad/ reader (AL-1116), and smart cards. This preprogrammed, interactive display includes buttons to generate input/zone alarms and output/relay actions. Although not required, the unit is set up to allow connection of a users PC for system management, system reporting, and overall demonstration of the Alliance system software.



Alliance System Kits

AL-SYS-A		AL-4017 Kit
(1)	AL-4017	System Control Panel, 16 areas, 16 RAS readers, 256 inputs, 1 A, no enclosure, 1 MB
(1)	AL-1682	Metal Enclosure, Large, UL
(1)	AL-1690	Transformer 24 V, 100 VA Class I
(1)	AL-1111	LCD Keypad, 4-Line
AL-SYS-B		Door Control Kit
(2)	AL-1170	Weigand Interface Module
(2)	AL-1645	Plastic Enclosure, Small
AL-SYS-C		DGP Zone Expansion Kit
(1)	AL-1205	8-Input DGP with power, no enclosure
(1)	AL-1206	8-Zone Plug-In Expansion Module
(1)	AL-1684	Metal Enclosure, Medium, UL
(1)	AL-1692	Transformer 16.5 V, 50 VA Class II
AL-SYS-D		AL-4617 Kit
(1)	AL-4617	System Control Panel, 16 areas, 16 RAS readers, 256 inputs, 3 A, no enclosure, 1 MB
(1)	AL-1682	Metal Enclosure, Large, UL
(1)	AL-1672	Transformer, 18 V, 100 VA Class I
(1)	AL-1111	LCD Keypad, 4-Line
AL-SYS-E		AL-3017 Kit
(1)	AL-3017	System Control Panel, 8 areas, 16 RAS readers, 64 inputs, 1 A, no enclosure
(1)	AL-1684	Metal Enclosure, Medium, UL
(1)	AL-1691	Transformer 24 V, 50 VA Class II
(1)	AL-1111	LCD Keypad, 4-Line
AL-SYS-G		Intelligent Door Kit
(1)	AL-1256	4-Door Controller DGP, 3 A, no enclosure, 1 MB
(1)	AL-1682	Metal Enclosure, Large, UL
(1)	AL-1672	Transformer, 18 V, 100 VA Class I
AL-DEMO		Alliance Demo Kit

Alliance Panel Capabilities

Features supported (capacities shown as each product ships)	AL-3017	AL-4017	AL-4617
System partitions/areas	8	16	16
Onboard system inputs (zones)	8	16	16
Maximum number of system inputs (zones)	64	256	256
Onboard-programmable outputs (relays)	1	1	1
Maximum number of system outputs (relays)	255	255	255
Door control on master control panel	Yes	Yes	Yes
Maximum number of door-controlled keypad/readers (RAS)	16	16	16
Auxiliary power	12 VDC 300 mA	12 VDC 1.0 A	12 VDC 3.0 A
Supports access control	Yes (Req. AL-1256)	Yes (Req. AL-1256)	Yes (Req. AL-1256)
Supports elevator control	Yes (Req. AL-1265)	Yes (Req. AL-1265)	Yes (Req. AL-1265)
Maximum number of access control readers (when using AL-12xx)	12	48	48
Supports global antipassback	Yes (Req. AL-12xx)	Yes (Req. AL-12xx)	Yes (Req. AL-12xx)
Supports memory expansion	Yes	Yes	Yes
Memory expansion included with panel	Yes AL-1830	Yes AL-1830	Yes AL-1830
Supports AL-1830 (1MB) memory expansion	Included	Included	Included
Supports AL-1831 (4MB) memory expansion	No	Yes	Yes
Supports AL-1832 (8MB) memory expansion	No	Yes	Yes
Door/access groups	128	128	128
Users / cardholders	11,466	11,466	11,466
Users / pincodes	1,000	1,000	1,000
Range of PIN-code digits	4 to 10	4 to 10	4 to 10
Alarm events in the log	1,000	1,000	1,000
Access events in the log	1,000	1,000	1,000
Software management via RS-232	Yes	Yes	Yes
Remote site management via software	Dial-up/LAN	Dial-up/LAN	Dial-up/LAN
Installer software management (4-hour timed programming connection)	Yes	Yes	Yes
TCP/IP support with AL-1801/1806	Yes	Yes	Yes
Built-in dialer	Yes	Yes	Yes
Cellular backup	No	No	No
Dual phone line	No	No	No
Communication bus	RS-485	RS-485	RS-485

Alliance Software Matrix

Description	Alliance Professional	Alliance Enterprise
New part number	AL-PROF	AL-ENTR-SINGLE/MULTI
Client licenses (sold separately)		AL-ENTR-PHOTO
Workstations, network, and communication		
Number of workstations (host/client)	1	1/4
Database engine – Borland	YES	
Database engine – MS SQL (MSDE)		YES
TCP/IP LAN connectivity to AL-3017 / AL-4X17 (via AL-1801 / AL-1806)	YES	YES
Software capacity		
Software license key required	No	YES
Number of Alliance System Control Panels supported in a system	2	8, 64
Management and maintenance through remote dial-up	YES	YES
Reports (preconfigured and custom)	YES	YES
Bulk user update (create or delete multiple users in one command)	YES	
Graphical maps interface (the ability to work through maps instead of alarm window)	YES	YES
Local / remote diagnostic tool	YES	NO
Training prerequisites (as of September 1, 2005)	Alliance 3-Day Workshop	
Video capacity		
Video integration	YES	YES
Video software license key required		YES 4, 16
PTZ control from Alliance software	YES	YES
Stored (system events tied to recorded video)	YES	YES
Live video look-in	YES	YES
Time synchronized event, video, and system with DVMRe	YES	YES
Maximum number of DVMRe units supported on the system	2	4, 16
Access control and intrusion capacity		
Photo ID integration	YES	YES
Photo ID software license key required		YES
Maximum number of users/badges (with AL-1832)	65,535	130,000
Software IUM (use software to supplement panel memory)	YES	YES
Employee time and attendance capability		YES

Alliance Memory Capacities

Using standard memory/hardware IUM	AL-1830 1 MB memory	AL-1831 4 MB IUM	AL-1832 8 MB IUM
Users total	11,466	17,872	65,532
User-defined PIN codes (of total) ¹	1000	17,872	65,532
Number of stored user names (of total) ²	200	200	200
Alarm groups ³	138	138	138
Door groups	128	128	128
Floor groups	64	64	64
Alarm log	1,000	2,000	2,000
Access log	1,000	5,000	10,000
Installer log	10	10	10
Batch card loading	Yes	No	No
26-bit Wiegand format support	Yes	Yes	Yes
Up to 48-bit Wiegand format support	No	Yes	Yes
Using software IUM	AL-1830 1 MB memory	AL-1831 4 MB IUM	AL-1832 8 MB IUM
Users total	2,000	n/a	n/a
User-defined PIN codes (of total) ¹	2,000	n/a	n/a
Number of stored user names (of total) ²	200	n/a	n/a
Alarm groups ³	138	n/a	n/a
Door groups	128	n/a	n/a
Floor groups	64	n/a	n/a
Alarm log	1,000	n/a	n/a
Access log	1,000	n/a	n/a
Installer log	10	n/a	n/a
Batch card loading	No	n/a	n/a
26-bit Wiegand format support	Yes	n/a	n/a
Up to 48-bit Wiegand format support	Yes	n/a	n/a

- 1 When a control panel is not setup for IUM (hardware or software), the system will create/assign PIN codes once the maximum is reached. PINs 1000+ can only be used with doors requiring Card + PIN. When either software IUM mode is chosen or a hardware IUM is fitted, the number of PIN users equals the maximum number of users.
- 2 The first 16 characters are stored.
- 3 The first 10 alarm groups are hard wired.

Alliance Access/Door Matrix

	Door control – competition (basic)	Door control – Alliance (intermediate)	Access control – Alliance (advanced)
Equipment required	N/A	AL-3017, 4017, 4617	AL-3017, 4017, 4617; and AL-1256, 1265
Security levels	Limited - Codes are easily transferred or given out. Card opens door – limited or no records of transaction	Yes - Cards have their own access codes/schedules/privileges assigned to each employee	Yes - Cards have their own access codes/schedules/privileges assigned to each employee
Control and code changes	Limited - No control over security codes. New codes must be entered/removed daily, weekly or monthly by hand at door – compromising security. System may only allow updates/downloads at certain times of the day (i.e. Midnight)	Yes - Remote or local management software allows easy and immediate addition or deletion of credentials through multiple communication methods – especially helpful in event of termination	Yes - Remote or local management software allows easy and immediate addition or deletion of credentials through multiple communication methods – especially helpful in event of termination
Soft antipassback (APB) (access granted – event logged)	N/A	Yes	Yes
Hard antipassback (APB) (physical access denied – event logged)	None – Card readers are typically standalone, independent nodes	N/A – Must have AL-1256, 1265	Yes – Available with AL-1256, 1265
Door schedules	Limited flexibility – Typically 24/7 access	Yes – Highly customizable to facilitate individual company requirements	Yes – Highly customizable to facilitate individual company requirements
Entry reports	Limited – Individual and location	Yes - Report by individual use, time, and location	Yes - Report by individual use, time, and location
Exit reporting	None	None	Yes – Historical record of who entered which door at what time and whether someone props or forces door open to allow unauthorized access
Non – employee access (visitor)	Limited - Must give out companywide security code to allow clients or maintenance in after hours. If card is not returned, administrator must remove access at door	Yes - Temporary and individualized security cards with autoexpiration date and/or time easily generated	Yes - Temporary and individualized security cards with autoexpiration date and/or time easily generated
Cable / wiring	Use existing (4 wire)	Use existing (4 wire)	Must include wiring for door contact (18/2c), REX/PIR (18/4c), and CR (22/6c) which offers improved security and reliability
Integrated photo ID badging software	None	Yes	Yes
Cost	Low	Low	Medium

Alliance Access/Door Matrix (continued)

Function	Alliance door control (AL-3017, 4017, 4617)	Alliance access control (AL-1256, 1265)
Unlock door	YES	YES
Monitor and shunt DPS input	YES	YES
Multiple shunting options		YES
Shunt multiple zones		YES
Log door open/closed	YES	YES
Request to exit	YES	YES
Request to exit reporting		YES
Multiple REX options		YES
Card access reports	YES	YES
Arm/disarm areas	YES	YES
Global unlock times	YES	
Per-door unlock times		YES
ADA extended unlock and shunt times		YES
Region control		YES
Antipassback		YES
LED control options	YES	YES
Prevent access when armed	YES	YES
Onboard power for door locks		YES
Card batch download		YES
Advanced door control functions*		YES
*2-man rule		YES
*Card plus PIN by time zone		YES
*Unlock VIA time zone only after valid access		YES
*Interlock zones (mantrap)		YES

Alliance Panel Housing Matrix

		Enclosures/housings (compatibility/XMFR required)				
		AL-1645 (plastic housing, small)	AL-1680 (metal housing, large UL) *	AL-1682 (metal housing, large UL)	AL-1684 (metal housing, medium UL)	AL-1685 (metal housing, small UL)
Control panels and DGPs (compatibility/XMFR required)	AL-1170	Yes - N/A	N/A	N/A	N/A	Yes - N/A
	AL-1205	AL-1692	AL-1692	AL-1692	AL-1692	N/A
	AL-1210	AL-1692	N/A	N/A	N/A	AL-1692
	AL-1256	N/A	AL-1672	AL-1672	N/A	N/A
	AL-1265	N/A	AL-1672	AL-1672	N/A	N/A
	AL-3017	N/A	AL-1690	AL-1690	AL-1691	N/A
	AL-4017	N/A	AL-1690	AL-1690	AL-1691	N/A
	AL-4617	N/A	AL-1672	AL-1672	N/A	N/A

Notes:

* UL listed panel - contains UL 365 Mercantile Premise Alarm Service Mercantile Safe and Vault Alarm Services

Transformer specifications

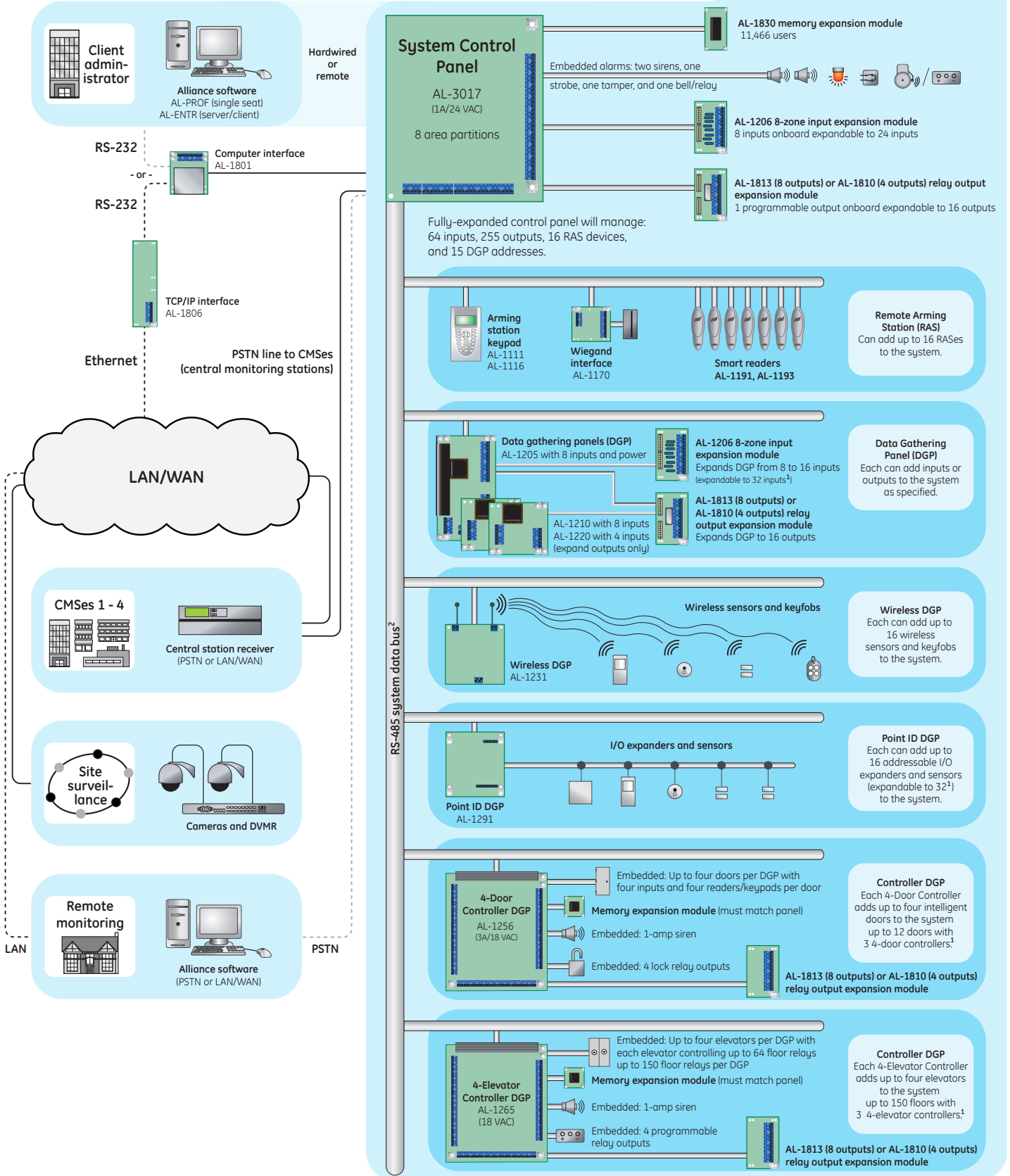
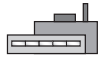
- AL-1690 (XMFR 24V, 100 vA Class 1) direct wire
- AL-1691 (XMFR 24V, 50 vA Class 2) direct wire
- AL-1692 (XMFR 16.5V, 50 vA Class 2) plug-in XMFR
- AL-1672 (XMFR 18V, 100 vA Class 1) direct wire

Specific UL listings

- UL 294 Access Control System
- UL 365 Mercantile Premise Alarm Service Mercantile Safe and Vault Alarm Services
- UL 609 Local Burglar Alarm Units and Systems
- UL 1610 Central Station Burglar Alarm Units
- UL 1635 Digital Alarm Communicator System Units

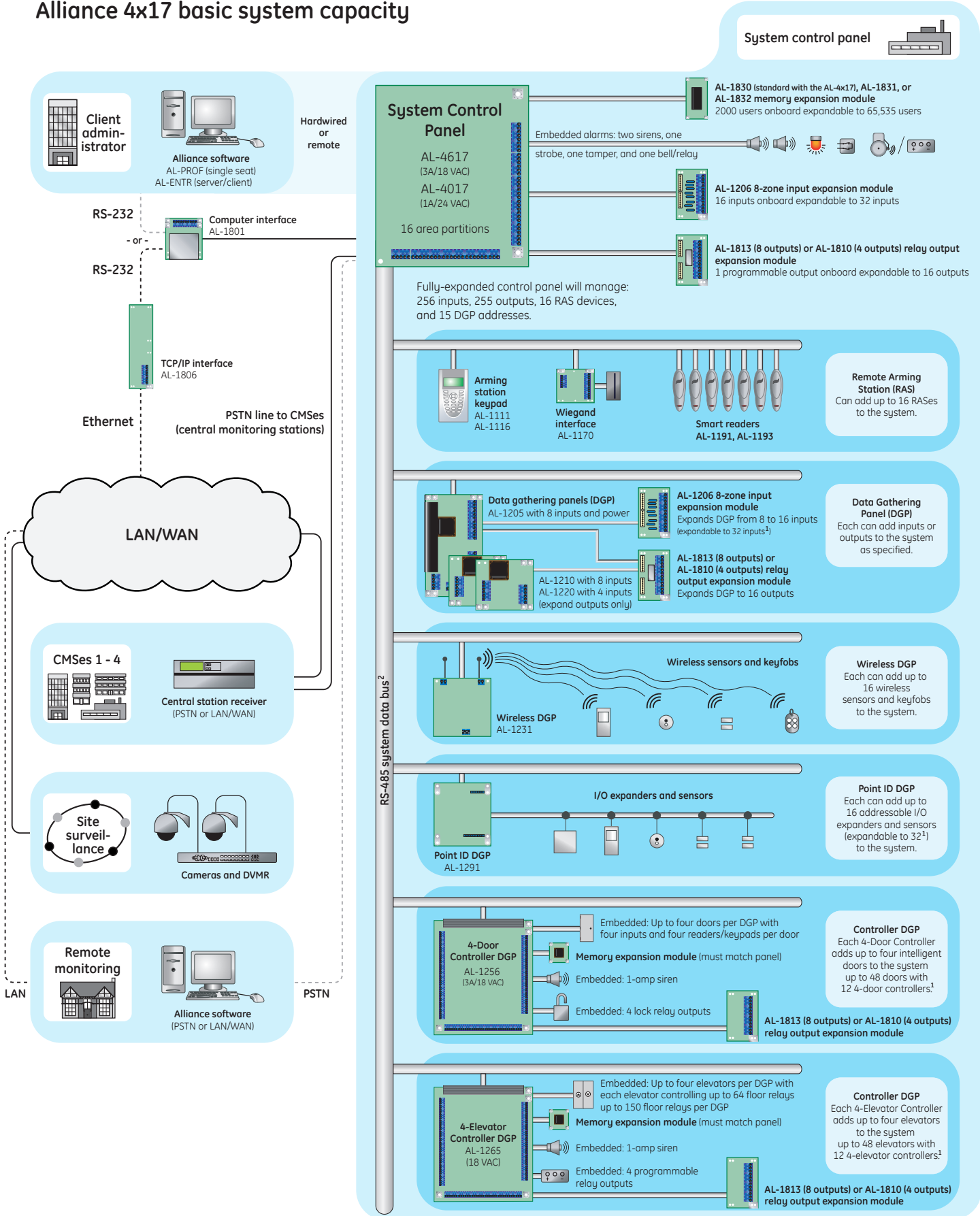
Alliance 3017 basic system capacity

System control panel



¹For expanded system capacity, contact your security professional.
²Each device can be up to 5,000 ft. (1524 m) from the panel.

Alliance 4x17 basic system capacity



¹For expanded system capacity, contact your security professional.
²Each device can be up to 5,000 ft. (1524 m) from the panel.

Think Beyond



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