



UNIFIED VIDEO, ACCESS & SECURITY SYSTEMS



INFINITI

HIGH SECURITY
SOLUTION

INNERRANGE.COM



ABOUT US

Inner Range is a manufacturer and integrator of unified Video, Access Control and Security solutions. Founded in Melbourne, Australia, Inner Range has over 35 years of innovation and has more than 150,000 systems deployed globally.

We manufacture end-to-end solutions from the card you badge at one of our readers to the controller securing the door, right through to the enterprise security management software monitoring multiple sites anywhere in the world. Our scalable products are suitable for high-end residential, commercial and enterprise sites across verticals such as education, healthcare, government and critical infrastructure.

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We are passionate about empowering our customers to protect what they value most, their property, their possessions and most importantly – their people.

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Inner Range offers our partners a range of competency-based training courses to ensure the best experience with our products and outcomes for their customers. Additionally, our global support team ensures that any issues are resolved quickly with minimal impact to the end user.

From entry to enterprise, Inner Range provides an end-to-end security solution capable of addressing the most difficult building management needs, providing peace of mind for you and your people.

Our continual investment in research and development puts our products at the forefront of access control, security, video and smart building technology. We partner with best-in-class providers of adjacent technologies such as intercom, payroll, building automation and incorporate the latest in AI technology with solutions for facial recognition, biometrics, number plate recognition and many more. With over 130 native integrations to 3rd party systems and open integration pathways, we provide our customers with a unified system behind a single pane of glass.

HIGH SECURITY

Inner Range is proud to be the FIRST electronic security manufacturer to gain independent CLASS 5 CERTIFICATION by ASIAL (Australian Security Industry Association Limited) for our Infiniti unified security solution.

Class 5 relates to the AS/NZS 2201.1:2007 standard which is the Australian and New Zealand standard for the design, installation, commissioning and maintenance of intruder alarm systems. Class 5 is the highest risk profile classification defined within this standard and Class 5 sites are typically found in government, military, financial and other high-security environments.

In this standard, the risk profile of an intruder alarm system is determined by conducting a risk assessment based on the likelihood, and consequences of, an attack. A Class 5 risk profile is proposed when:

- a. The consequences of the attack may be 'Catastrophic' regardless of the likelihood of an attack.
- b. The likelihood of an attack is 'Likely' or 'Very likely' and the consequences are 'Major' or 'Catastrophic'.

The Inner Range Infiniti Class 5 hardware is certified for use in Class 5 compliant installations when installed, commissioned and maintained in accordance with this standard and the Inner Range Infiniti Class 5 documentation.



ENCRYPTED HIGH SECURITY SYSTEM ARCHITECTURE

Hybrid Architecture

The system's modular design provides scope for expansion whilst also boasting a hybrid architecture. The hybrid architecture supports both high-security (End of Line Modules - ELM's) and standard commercial grade (resistor network) areas at the same facility at the same time. By ensuring that budget allocations are made for the High Security zones only where necessary, the end result is a single, holistic and affordable security solution for the entire organisation.

Expansion of the Integriti system is achieved by installing additional encrypted modules to the High Security Controller's RS-485 LAN, or adding additional Controllers to the system. The entire platform, including multiple Controllers can be managed from the Integriti Enterprise software.



INFINITI

System Capabilities

Infiniti Controller Capacity:

- Encrypted RS-485 LAN Module Limit – 32
- Encrypted Inputs – 256*
- Standard Inputs – 1024*
- Security Areas – 250
- Doors – 264*
- SIFER Card Readers – 528*
- Users – 100,000 (Expandable to 1 million)
- Event Database – 100,000

* Max quantity shown is per controller and assumes all 32 LAN modules will be of the same type. Multiple controllers can be used to greatly increase system capacity.

Supported Encrypted LAN Modules:

- Infiniti 8-Zone Encrypted Expander
- Infiniti EliteX Keypad/Terminal
- Infiniti PrismaX Keypad/Terminal
- Infiniti Standard 8 Zone Expander (Expandable to 32 Zones)
- Infiniti Standard LAN Access Module (SLAM – 2 Doors)
- Infiniti Intelligent LAN Access Module (ILAM – 2 Doors, Expandable to 8)
- SIFER Card Readers

SYSTEM FEATURES

LAN COMMUNICATIONS

Infiniti is a modular system that effortlessly scales with the addition of RS-485 LAN modules. Communications between the Controller, Expanders, Keypads, SIFER Card Reader (including fob/card credentials) are all encrypted to AES 128-bit with MAC authentication. Data encryption ensures secure LAN communications at all times, while the programmable supervisory polling system continuously monitors the LAN to detect cable tamper, cable fault conditions, module off-line and module substitution. The efficient data format used has been developed to ensure fast, secure and reliable communications regardless of the size of the system.

END OF LINE MODULES

End of Line Modules (ELMs) are designed to be installed within, or adjacent to a detection device such as a PIR or Reed sensor switch. In conjunction with the Infiniti encrypted expander, ELMs provide an encrypted data communications link between the detector and the control equipment.

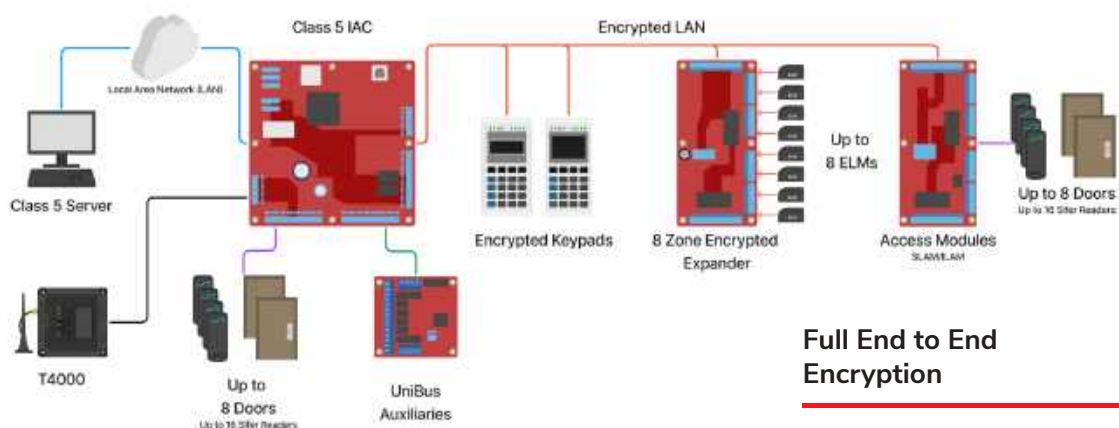
During normal operation Infiniti's supervisory polling system continuously monitors ELMs to detect any communication failure, device substitution or tamper conditions.

ALARM COMMUNICATIONS

The Infiniti system is equipped with the award winning Multipath-IP T4000 Security Communicator. The T4000 provides high security and polled connection to the monitoring station for alarm reporting. All communications are encrypted to AES 128-bit and polling intervals can be as frequent as 10 seconds. Should a poll fail to be delivered within the allocated time, the T4000 intelligently tries to re-establish connection and, if available, will attempt to route the connection through another gateway, i.e. switching from on-site Internet to GPRS. If a failed connection cannot be re-established within a pre-determined time an alarm will be raised within the monitoring station.

INTEGRATED ACCESS CONTROL

In addition to a high security alarm system, the Infiniti platform boasts an integrated access control platform. At the heart of Infiniti lies the Infiniti Access Controller (IAC). The IAC is an IP-based enterprise Access Controller which supports two doors and up to four readers on-board. A further 246 doors and additional readers can be added via UniBus and LAN expansion modules. The SIFER Card Reader is a multi-drop RS-485 based reader that employs AES 128-bit encryption from the card through to the door module, providing a far superior level of security than that of traditional Wiegand based card readers. SIFER readers utilise the Mifare DESfire EV2 card format.



**Full End to End
Encryption**

HIGH SECURITY CONTROLLERS



INFINITI CONTROLLER KIT

996140AUC5

The Infiniti Controller kit is the core component of the Infiniti system. The Controller kit consists of the following elements each of which is pre-installed within the system enclosure:

- Infiniti Access Controller (IAC)
- 8 Input Encrypted Expander
- 4 x End of Line Modules (ELMs)
- 8Amp SMART Power Supply
- Infiniti EliteX Keypad
- T4000 Security Communicator
- 8 Way LAN Hub
- WideBody Enclosure with seismic/vibration detector
- Standard mains power lead

INFINITI IAC CONTROLLER

996140PCB&K



The Infiniti Access Controller (IAC) is an IP-based enterprise Access Controller which functions as the host Controller for the system. The IAC's built in access control functionality also allows monitoring and control of doors.

- Infiniti host Controller
- Supports up to 32 modules on RS-485 encrypted expansion LAN
- Support for 2 doors and up to 4 SIFER readers on-board
- Expandable to 8 doors/16 SIFER readers via UniBus devices
- Expandable to 248 doors/496 SIFER readers via LAN & UniBus devices
- Support for 100,000 user database (Expandable to 1 Million)

For full technical details on the products featured on this page please refer to the products data sheets or installation manuals.

HIGH SECURITY MODULES



INFINITI ENCRYPTED EXPANDER MODULE

996105PCB&K

The Infiniti Encrypted Expander Module provides 8 separate ELM Zone inputs, Tamper & Seismic/Vibration Sensor inputs and 2 Siren Driver outputs. The Expander is supplied as a PCB and Installation Kit for installation into an Infiniti enclosure.

- RS-485 Encrypted LAN Module
- 8 x Separate High Security Zone Inputs (Used with ELMs)
- 2 x Siren Driver Outputs
- Tamper Input / Seismic / Vibration Sensor Input
- Expander should be powered using an 8Amp SMART PSU

INFINITI END OF LINE MODULE PACK

996106 PACK OF 4

996106S PACK OF 1



ELMs are used in conjunction with the Encrypted Expander Module to provide a fully monitored, encrypted and authenticated data communications link between end of line detection devices such as PIR's and Reed switches and the Encrypted Expander. Size 35(L) x 18(W) x 9.5(D) mm

Pack contents:

- 1 x Alarm Input Connection
- 1 x Tamper Input Connection
- 1 x Output Connection - Open Collector - 50mA
- 1 x Data Connection for Link to Encrypted Expander
- Supports Multiple Alarm States (up to 8 states)

RESTRICTED LOCKS & KEYS

996154KC5 - Site Specific Restricted Key

996154LC5 - Site Specific Restricted Lock



The Inner Range Infiniti Class 5 enclosure requires compliant restricted key lock system which must not be replaced with a non-restricted key locking device. A unique keying pattern will be registered to each installation or site.

Additional Information should have room to fit it in:

Bi-Lock Exclusive is the most recognised high security master key system that has been recognised to the highest standards including the official

HIGH SECURITY USER INTERFACES



INFINITI ELITE X KEYPAD

996101C5

994721PCB&K SIFER Reader add-on kit for 996101C5

The Infiniti EliteX Keypad is a simple and robust interface into the Infiniti system. Supporting Infiniti AES 128-bit encryption the EliteX Keypads iconic menu navigation is quick and responsive. The plain-text display is easy to read and the back-lit OLED display and back-lit keys make it a versatile solution for many organisations.

A SIFER Reader add-on kit is also available for the EliteX keypad. This allows users to simply place their access card across EliteX's numeric keypad to access an associated door, logon to the Keypad or as the card credential for "Card + PIN" access control.



INFINITI PRISMA X KEYPAD

996111C5

994721PCB&K SIFER Reader add-on kit for 996111C5

Sharing the same attractive design style as the EliteX, the Infiniti PrismaX Keypad provides a stylish and simple keypad to control the Infiniti system. Supporting Infiniti AES 128-bit encryption, the PrismaX Keypad features a full colour LCD screen with large clear text and icon-driven menus. End users can perform simple functions such as arming and disarming areas, isolating zones, walk testing and reviewing event history, all accessible via the full colour graphic display.

A SIFER Reader add-on kit is also available for the PrismaX keypad. This allows users to simply place their access card across PrismaX's numeric keypad to access an associated door, logon to the Keypad or as the card credential for "Card + PIN" access control.

The PrismaX Keypad is designed as an end user interface for the Infiniti system and as such only the end user related menus are supported. Where access to installation and commissioning menus is required the EliteX Keypad must be used.

For full technical details on the products featured on this page please refer to the products data sheets or installation manuals.

HIGH SECURITY POWER & ENCLOSURES



INFINITI WIDEBODY ENCLOSURE

996154AUC5

The Infiniti enclosure is a low profile metal enclosure equipped with power supply, seismic/vibration sensor and a site specific restricted high security key locking system.

Components include:

- Infiniti WideBody Enclosure - Size 595(L) x 512(W) x 95(D) mm
- 8Amp SMART Power Supply
- Seismic/Vibration Sensor
- Equipment Mounting Plate



MAINS POWER ISOLATION SWITCH KIT

996180

The Infiniti Mains Power Isolation Switch kit should be fitted into the Infiniti enclosure where an internal mains power isolation switch is required. The kit also allows a dedicated mains power circuit to be routed into the enclosure. The kit includes all parts required for the isolation switch and side or rear 20mm conduit entry.

Kit contents:

- Mains Isolation Switch
- Isolation Switch Mounting Block & Screws
- 32mm Conduit Entry Gland (suits 20mm conduit)
- Side Entry Plate to Suit 32mm Conduit Gland
- Side Entry Power Lead with IEC Plug



PFC SMART POWER SUPPLY

996095 - 10 AMP SMART Power Supply

996092 - 8 AMP SMART Power Supply

Smart Power Supply Unit (PSU) is a highly efficient power supply solution designed to meet the modern high spec requirements unique to access control and intruder systems. Monitoring of the power supply status is pivotal to the operation and performance of any security system, and the Inner Range 8 Amp or 10 Amp smart PSU delivers this very effectively.

HIGH SECURITY MANAGEMENT SOFTWARE

INFINITI SOFTWARE

997905 - Infiniti Express Software (Product Key)
997901 - Infiniti Professional Software (Product Key)
99790B - Infiniti Business Software (Product Key)
99790C - Infiniti Corporate Software (Product Key)

The Infiniti Software Suite is a true cutting-edge solution. Featuring the very latest technologies, Infiniti has been designed with an innovative and user-friendly design as its core focus. Infiniti offers everything your customer will need for complete system management.

Infiniti includes two applications:

- Infiniti GateKeeper for everyday card-holder programming and monitoring and control of the system.
- Infiniti System Designer for full system programming and configuration.



SOFTWARE EDITIONS

The Integriti System Management Suite is a cutting-edge solution. Featuring the very latest technologies, Integriti has been designed with an innovative and user-friendly design as its core focus.

All editions include Integriti GateKeeper for everyday card-holder programming, monitoring and control of the system and Integriti System Designer for full system programming and configuration.

Integriti Professional, Business & Corporate Software Editions offer everything needed for complete system management. Upgrading between Editions is easy, allowing your Integriti system to expand as your needs and requirements grow.



	EXPRESS Single Site, Single Controller	PROFESSIONAL Multi Site, Multi Controller	BUSINESS CCTV Integration, Advanced Reports	CORPORATE On-site Guards, Advanced Alerts
Controllers	1	Unlimited	Unlimited	Unlimited
Included Doors	16	16*	16*	16*
Included Clients	0	2	5	30**
Allows Integrations	No	Yes	Yes	Yes
Integriti Mobile		Unlimited	Unlimited	Unlimited
Communicator		Yes	Yes	Yes
Dynamic User Import Module (DUIM)		Yes	Yes	Yes
Photo ID		Yes	Yes	Yes
CCTV (w. LPR)			First 32, expandable	Unlimited
Advanced Reports			Yes	Yes
Web Server			Yes	Yes
Active Directory (Operators)			Yes	Yes
Active Directory/Entra ID(Users)			Yes	Yes
Advanced Alerts				Yes
Operator Challenge				Yes
User Qualifications				Yes
Guard Tour				Yes
SNMP Health Monitor				Yes

*Additional doors can be licensed

**Contact Inner Range Sales if more clients required





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