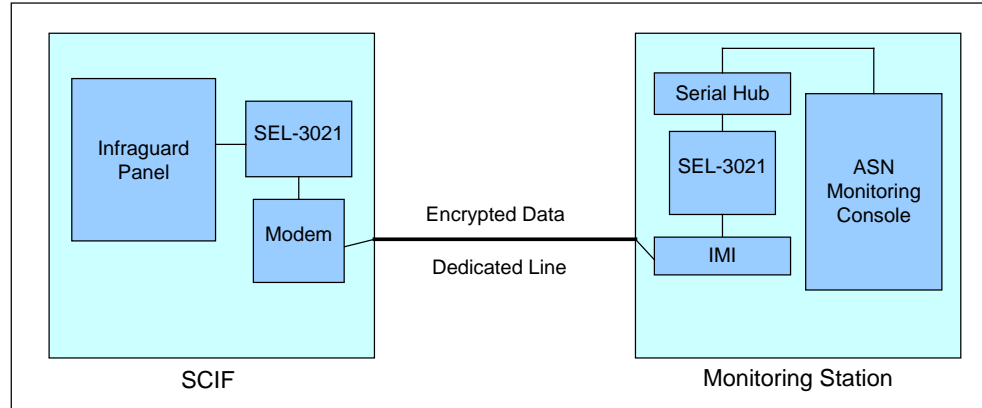


Infraguard SCIF



The Advantor Infraguard SCIF combines an Infraguard Panel and AES 128-bit encrypted communications protocol into a single package that complies with the requirements for use in Sensitive Compartmented Information Facilities. It serves as the premise control unit for the facility intrusion detection system and interfaces with all other intrusion detection sensors and devices to provide alarm transmission to the Advantor ASN integrated monitoring system. This package contains all necessary components to comply with the control and communication requirements of DCID 6/9 for IDS Systems.

CONFIGURATION CONTROL AND CONFORMANCE

With this configuration, all control is retained within the facility in compliance with applicable directives. User identities and PIN numbers remain exclusively within the facility and are added, modified, or deleted by the site facility manager/SSO through the Infraguard Touchscreen keypad. No program changes can be made without concurrence using the SSO Master Code. An optional installation configuration mandates that an alarm condition must be cleared first from the keypad within the facility before it can be cleared on the ASN monitoring system, ensuring that any alarm is fully investigated.

ENCRYPTION CERTIFICATION

The SEL-3021 Serial Encrypting Transceiver provides AES 128-bit encryption for data transmitted from the premise control unit to the Law Enforcement Desk. This system uses Advanced Encryption Standards (AES) and is NIST-approved Federal Information Processing Standard (FIPS 140-2) with 128-bit keys under certificate No. 782.

COMPLIANCE COMPONENTS

The Infraguard SCIF includes all the necessary components to comply with the control and communication requirements for DCID 6/9 and JAFAN 6/9 for intrusion detection systems. The package includes:

- Infraguard Panel
- SEL-3021 Serial Encrypting Transceiver, Host/Remote units
- Multitech Modem
- All required cables

A fully array of additional IDS sensors, devices, and installation services are available to complete the turn-key environment.

Infraguard SCIF

SPECIFICATIONS

Infraguard Panel

Dimensions

- Attack-Rate UL Enclosure
- 20" wide x 20" high x 5" depth
- 18-gauge cold rolled steel with lock and key
- Color: Light gray with Advantor logo
- PCB Footprint: 11 5/16" wide x 8 5/16" high

Transmission Media

- Uses UL Grade AA Line Security for compromise and failure
- AES 128-bit encryption
- Certified by National Institute of Standard Technology (NIST) FIPS 140-2 under certificate No. 782

Alarm Points

- 20 programmable, supervised with either one or two EOL resistors, hard-wired points
- N/C, N/O, or both (dry contacts)
- Programmable alarm codes
- Assignable to any of 99 separate arming partitions (protected areas)
- All alarm points operate normally under ground fault conditions
- Expandable to a total of 340 points with Expansion Panels/Modules

Access/Entry Control

- 98,000 cardholders maximum
- 5,400 Access Levels maximum
- Four Wiegand reader inputs to control up to 4 doors
- Supports multiple bit card formats accommodating up to 9 digit card numbers
- User-changeable PIN codes, up to 6-digit
- Real time activity reporting with 8,000 event local activity log buffering
- Visitor escort management and control
- "Level 1" (card only); "Level 2" (card plus PIN) or "Level 3" (Card plus PIN plus Biometrics) access control options
- Turnstile Control
- Mantrap Capability
- Optional Free Exit or Card Controlled exit
- Optional Anti-Passback

Local Annunciation

- Partition bells are controlled by relays
- Audible keypad beeper

Arm/Disarm Function (Secure/Access)

- Up to 8 Touchscreen keypads
- Programmable access card arming via integrated card reader input
- Programmable arm/disarm functions including single key arming, non-reporting, reporting by user, arm at shift
- SCIF package where Users and User PINs are programmed locally at keypad

Operating Environment

- 0° F to 122° F (-18° C to 50° C)

Auxiliary Outputs

- Eight Form-C relay outputs – 5A maximum
- Four Open-Collector outputs – 100mA
- Area interlock capability where only one door at-a-time may be unlocked, or opened in an interlock area
- I/O Linkage – 65,000 input / output grouping

Power Supply

- 16.5 VAC, 43VA transformer with 100-120 or 200-240 VAC input 50/60 Hz.
- 12 VDC Gel Cell battery backup (14 AH)
- Output: Regulated 12 VDC primary power (9.8 to 13.7 VDC) @ 1.2 A
- 12 VDC Gel Cell battery charger
- Power supervision for AC input power, Battery voltage, and Auxiliary Output power status
- External power supply supervision
- 12 VDC Auxiliary power isolation with 4 PTC auto-resetting circuit breakers

Communications (Central Station)

- V.34 modem communications up to 33.6K baud, full duplex

Communications (Expansion Modules and Panels)

Communications Interfaces to Local Infraguard Panels (Additional Doors and Alarm Points)

- Up to 16 Infraguard panels may be configured on a local network, sharing a single communications interface with the monitoring server
- Local communications interfaces operate at 38,400 bps
- Optional local configurations include RS-485 or Multi-Mode Fiber Self-Healing Ring

Communications Interfaces to Local Infraguard Modules (Additional Alarms Points and Auxiliary Outputs)

- Up to 16 Infraguard modules may be configured on a local network, sharing a single communications interface with the monitoring server
- Local communications interfaces operated at 38,400 bps
- Optional local configurations include RS-485 or Multi-Mode Fiber Self-Healing Ring

Approvals

- FCC Part 15, Class B
- UL 294, "Access Control System Units"
- UL 1076, "Proprietary Burglar Alarm Units and Systems"