All Details Please Contact:

CENTRA SECURITY SYSTEMS (UK)

www.centrasecurity.co.uk

Vindicator® V⁵

Network Security Appliance

The V⁵ Network Security Appliance™ is the fundamental building block of a modern security solution. This embedded server creates an encrypted, private network on any enterprise infrastructure (LAN, Fiber, RS485, etc.) by communicating to additional Vindicator® network devices. The V⁵ becomes the central security processor for facility and site access control, intrusion and perimeter detection, CCTV events, and fire and life safety information.

The V⁵ processes and routes security-related events to the operator display for information and action. It integrates with many peripheral devices and can be easily extended to support additional devices. With flexible on-board I/O options, a standalone V⁵ offers a simple, cost-effective solution with virtually no maintenance – no Windows updates to perform, no worries about virus infections or hard drive crashes.

Until recently, site security has depended on a Windows-based security management solution. The V⁵ Network Security Appliance builds a more reliable solution that is easier to operate. Capable of being monitored from multiple locations (both local and remote), the V⁵ provides a user interface to the system with map-based views of facilities, fast alarm reporting and intuitive icons and control buttons. With a powerful XML interface and plentiful I/O, users benefit from greater flexibility when integrating with peripherals, sensing technology or products from various manufacturers.

The V⁵ raises the bar for security solutions. When it comes to managing and integrating facility access control, intrusion and perimeter detection, CCTV, fire detection, life safety, and building automation, the V⁵ Network Security Appliance provides an extremely adaptable enterprise solution for critically important and high-risk sites.

FEATURES

Reliable - The embedded design of Vindicator products delivers extreme reliability. They are certified by the DoD and DoE to protect nuclear facilities, and are impervious to hacking and to virus/worm attacks.

Flexible - The modular design of the V⁵ benefits sites of all sizes and types. The V⁵ can handle over 20,000 multistate inputs and monitor over 10,000 discrete alarm points from access control readers, perimeter sensors, cameras, etc. The system also supports multiple languages including French, Spanish, German, Korean, Farsi, and more.

Scalable - V⁵ operates across a variety of WAN connections, providing enterprise-wide mission support to multiple command and control centers located anywhere in the world without the vulnerability of centralized servers.

Easy-to-install - V⁵ installs in a wide variety of communications applications and is easily configured to fulfill the most demanding requirements.

Secure - Redundant communication is encrypted for maximum security. Vindicator products are certified for TDEA (Triple Data Encryption Algorithm, also known as Triple DES) communication by the National Institute of Standards and Technology and meet U.S. Air Force testing requirements (PL1-PL4 nuclear and non-nuclear).

Vindicator® V⁵

Network Security Appliance
SPECIFICATIONS

Intrusion Detection Capacity (per unit)
- Sensor Inputs: more than 20,000 multi-state inputs
- System has passed the "5-in-2" test (capable of reporting five alarm events in less than two seconds)

Access Control System Capacity (per unit)
- Multi-drop reader buses: 8
- On-line Cards: 30,000 (expandable)
- I/O Module: six supporting combinations of:
  - Sensor Module: 8 inputs
  - Relay Module: 4 relays
  - Portal Module: 1 reader, 3-4 supervised multi-state inputs, 1 door strike

Communication Ports
- Serial: 8 RS485, 4 RS232
- LAN: 4, 100BaseT with TCP/IP
- Fiber Optic: 1-4 optional 100FX optical (SM or MM)

Interfaces/Drivers
- Vindicator VCC Platform
- Logging/reporting printer
- Vindicator Security Network Devices
- CCTV switcher control
- Plasma display control
- SIA CIS Central Station

Mechanical Specifications
- Dimensions: 11.1"L x 10.5"W x 2.9"H
- Weight: 5 lbs

- Mounted on sheet metal base plate, NEMA enclosed product optional
- EMI/RFI gasketed
- Field Wire Connectors: Removable plug type screw jaw clamp terminal for 18-24 AWG or stranded wire

Environmental Requirements
- Operating Temperature: 0°C to +50°C
- Storage Temperature: -25°C to +65°C
- Humidity: 8%-90% non-condensing
- Vibration Operating: 8G peak swept-sine with solid-state storage, 1G peak swept-sine with HDD option
- Shock Operation: 175G for 2 ms half-sine

Electrical Characteristics
- Operating Voltage: 9 to 18 VAC
- Power: configuration dependent
- Transient and surge protection: 36 W max
- Ports 1.2 j 80 us 2400 V 12 A peak
- Input Sensitivity: 0.0 to 5.0 V with 10 bit resolution and 1% accuracy
- Inputs configured for resistive load measurement source of up to 10 mA at 10 DC into 1K ohms
- Sensor Self Testing: Automatic, programmed, random, or regular at average intervals (2 minutes to 22 days). Failed tests announced.

Compatibility/Integration
- CCTV: Many cameras, switchers, video motion detection systems and DVR systems
- Reader Technologies: Many card readers, smart gates or biometrics systems
- Support for ground-based radar
- Sensors: Many interior or exterior sensor systems
- Supports legacy and third-party components from manufacturers such as Honeywell, American Dynamics, Bosch, Pelco, Vicon, and Broadware

Certifications
- Certified for nuclear facilities without waiver pending FIPS 46-3, DCID 6/9, SIA, UL-1076/294/864

Enterprise Connectivity
- Open style architecture (LAN/WAN, Ethernet, SM and MM fiber, RS232, RS485, FSK, TCP/IP)

Integrated Database
- Relational, embedded, fast and reliable ODBC

Software Configuration
- Via Ethernet or RS485

Encryption
- UHS, DES, TDEA (DCID and NIST approved)

ORDERING

Bundled System

600-33000-01	Intrusion detection system, V⁵, UHS encryption, 1 sensor input module, 1 relay output module, 1 system server terminal package, manuals, power supply
600-33000-02	Intrusion detection system, TDEA encryption version of above
600-33010-01	Access control system, V⁵, UHS encryption, 1 system server terminal package, manuals, power supply
600-33010-02	Access control system, TDEA encryption version of above
600-33500-01	VCC packaged system, VCC Platform, Vindicator Server, V⁵, UHS encryption, manual and serial communication cable
600-33480-01	Access control enrollment station, V⁵, Vindicator Server, 17" LCD, SAW and PC SmartPAC software, UHS encryption, Portal Control Module, LaserJet Printer, card reader station, power supply, manual, serial communication cable
600-33480-02	Access control enrollment station, TDEA encryption version of above

Ind. System Components

548-33300-10	V⁵ (requires one of the OS options below), RS485 port, 4 TCP/IP ports
508-33301-01	Intrusion Detection OS, UHS encryption
508-33301-02	Intrusion Detection OS, TDEA encryption
508-33355-01	Access Control OS, UHS encryption
508-33355-02	Access Control OS, TDEA encryption

Expansion Options

536-33002-01	Sensor Input Module, 8 ports
536-33003-01	Relay Output Module, 4 ports
536-33004-01	Portal Control Module

Fiber & Memory Options for V⁵

Call for details	Memory Expansion Options
532-33302-01	Fiber Optic Multi-Mode Port
532-33302-02	Fiber Optic Single-Mode Port

Spares

292-33464-00	12 VDC Wall Plug Power Supply
908-33461-00	Installation, Operation and Maintenance Manual
536-33001-01	V⁵ Main CPU Board, CPU-5 PCB Assembly with 4 RJ-45 Ports
536-33005-01	Communication I/O Module
544-33472-01	Serial Communication H/A, serial comm cable from V⁵ to display device
532-33279-00	System Server Terminal, with keyboard and mouse, no monitor, serial cable, PC SmartPAC
532-33279-01	System Server Terminal, with keyboard and mouse, 15" CRT monitor, serial cable, PC SmartPAC
532-33279-02	System Server Terminal, with keyboard and mouse, 17" CRT, serial cable, PC SmartPAC
532-33279-03	System Server Terminal, with keyboard and mouse, 15" LCD, serial cable, PC SmartPAC
532-33279-04	System Server Terminal, with keyboard and mouse, 17" LCD, serial cable, PC SmartPAC

For more information: www.honeywellvindicator.com

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