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SECURITY GROUP GLOBAL

PSG - LINX™ VIP, VIP-E, 161

SAFE | SECURE | CERTIFIED

Product Overview

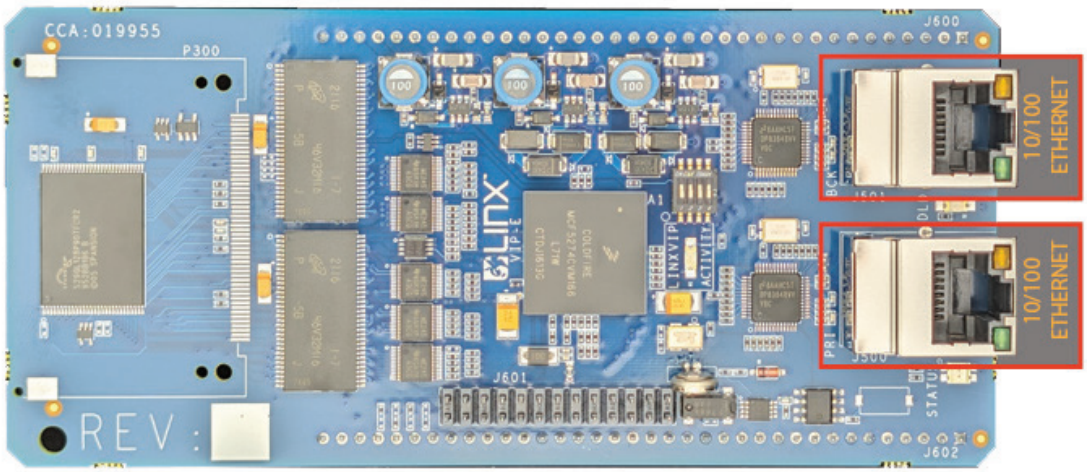
PSG LINX™ Versatile Interface Panel Extension (VIP-E)

The VIP-E is an optional module that plugs onto a LINX™ VIP. The LINX™ VIP-E contains a 32 bit microprocessor running at 150 Mhz, providing distributed processing to the LINX™ VIP, and giving it independent intelligence to handle instantaneous access control and processing decisions, local transaction storage and automatic event processing without the need for host intervention. A LINX™ VIP configured with an optional VIP-E can support up to 9,999 multidropped LINX™ VIP's offering a truly scalable solution.

The VIP-E has 128 MB of built-in RAM used to contain all information required to run independently from the host. The VIP-E memory can be expanded using an industry standard Compact Flash card. This expansion capability gives the VIP-E virtually limitless memory options at an extremely low cost.

Built in to the VIP-E module are two on-board Ethernet ports providing 10/100 Base-T communications to both a primary host computer as well as a redundant host computer for alarm annunciation and for offloading transactions for long term storage. The second Ethernet port provides a true backup communications path for no single point of communications failure, ensuring that all alarms are delivered to a host computer for annunciation. The two Ethernet ports can support a true multihomed configuration.

The LINX™ VIP-E utilizes a block downloading protocol that enables the LINX™ VIP and its network of devices to be up and running in an extremely short period of time, while still maintaining consistent record checking during and after the download process, ensuring accurate, reliable downloads to the LINX™ VIP-E. In the event a VIP-E has been out of communications with its host computer, when communications is restored, all database changes that occurred while off-line are automatically transmitted to the VIP-E without any operator intervention.



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Specification	Description
Microprocessor	32 Bit, 150 MHz
RAM	128 MB
RAM Expansion	Virtually unlimited, uses an optional industry-standard Compact Flash
Communications	(2) 10/100 Base-T Ethernet
Operating Temperature	32° to 120°F (0° to 49°C)
Power Requirements	Provided by LINX™ VIP
Board Dimensions	Plugs directly on to the LINX™ VIP and is incorporated into the VIP's footprint
Regulatory Certifications	UL 294, UL 1076, FCC Class A, Part 15

Product Overview

Each LINX™ VIP-E can be set up in multiple modes of operations. Access control decisions will be made well under 1 second. It can also be set to an operational condition of NO-GO, where if the VIP-E disallows the cardholder record from gaining access, it will defer the decision to the host computer for a final decision.

- The LINX™ VIP-E serves as a distributed intelligent processor and network adapter that plugs directly onto the VIP.
- One LINX™ VIP-E can support from 1 to 9,999 LINX™ VIP's.
- Provides complete stand alone operation.
- Two 10/100 Ethernet ports provide fast, secure, redundant communications to primary and redundant hosts.
- Supports a true multihomed network configuration for total communication redundancy.
- 128 MB of local RAM.
- Expandable memory using industry standard Compact Flush (CF) card which provides virtually unlimited storage.
- Efficient and reliable block downloading protocol allows for faster data synchronization with the host.

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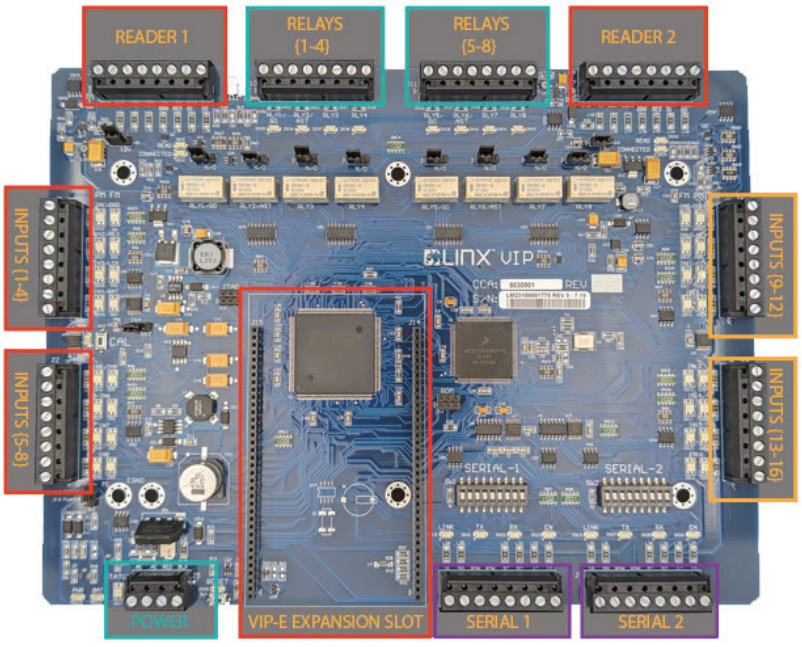
Product Overview

PSG Predator Elite Intrusion Detection and Access Control system. Designed with the user in mind, the LINX™ Versatile Interface Panel (VIP) is:

- **Complete** – Serves as a Versatile Panel (VIP) with (2) card reader interfaces, (16) supervised Intrusion Detection Inputs and (8) relay outputs.
- **Flexible** – Can support multiple configurations: total access control, total intrusion detection or a combination of both.
- **Distributed intelligence** – An optional VIP-E plug-in module can be added to provide distributed processing, redundant Ethernet communications and unlimited memory expansion via compact flash technology.
- **Secure** – Supervised primary communications lines with optional backup communications line for redundant communication requirements. Supports on-board enclosure tamper.
- **Expandable** – Supports up to (16) additional LINX™ VIP boards, using two wire RS-485 multidrop communi- cations. Superior ergonomics – Trouble-free installation with abundant silk screening to identify all wiring connections, alleviating installation errors.
- **Robust local diagnostics** – All filed devices can be tested at the LINX™ VIP via on-board smart LEDs, without host computer communications



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Specification	Description
Microprocessor	16-bit, 50 Mhz
Distributed Processing	Optional (via LINX™ VIP-E Module)
Communication Ports	2
Protocols	RS-232C/RS-485/Ethernet LAN (via optional VIP-E Module)
Speed	115,200 bps max. serial; 10/100 MB network (via optional VIP-E module)
Card Readers	2
Technologies Supported	Magnetic Stripe, Proximity, Wiegand, Barium Ferrite
Tamper Protection	Enclosure, readers (via software). Support for optional lock engage sensor.
Contact Point Inputs	16
Configuration	Normally Open (N/O) or Normally Closed (N/C)
Supervision	Optional supervision with any EOL resistor values via on-board calibration button
5 States	Open, Closed, Line Secure, Line Faulted Open, Line Faulted Short
Maximum Distance	1,000 feet to end-of-line device
Relay Outputs	8 (Form C)
Configuration	Normally Open (N/O) or Normally Closed (N/C)
Capacity	24 VAC/VDC at 2 A. maximum
Expansion	
Downstream LINX™ VIPs	16 (via two-wire RS-485 multidrop)
Operating Temperature	32˚ to 120˚F (0˚ to 49˚C)
Power Requirements	12–14 VAC or 12 VDC
Power Draw	Less than 1 A.
Dimensions	
Board	7-6/16” H x 9-11/16” W
Mounting Plate	9-1/2” H x 10” W
Enclosure	10” H x 10” W x 4-1/4” D
Certifica□tions	Pending UL 294, UL 1076, FCC Class A, Part 15

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Product Overview

The LINX™ 16i provides an additional (16) supervised intrusion detection inputs. The smaller footprint allows for intrusion detection intense installations to fit more monitoring capability into a smaller space.

Built-in LEDs for monitored inputs and communicationsmake installation and troubleshooting a simple process for the installer. Each monitored input supports a Normally Open (N/O) or a Normally Closed (N/C) circuit and provides optional supervision using the standard EOL resistors of 383 and 165 ohms, but the LINX™ 16i can also accommodate other EOL resistor values. This feature allows for easier retrofits to existing alarm devices already installed. A dedicated on-board DC monitoring circuit constantly monitors the input voltage level. Alerts are generated when AC fails and/or the DC power supply is crucially low.

- **Expandable** - Smaller footprint provides an additional (16) supervised Intrusion Detection Inputs in half the space.
- **Secure** - Supports on-board enclosure tamper.
- **Expandable** - Support up to (16) additional LINX™ 16i boards, using two wire RS-485 multidrop communications.
- **Superior ergonomics** - Trouble-free installation with abundant silk screening to identify all wiring connections, alleviating installation errors.
- **Robust local diagnostics** - All field devices can be tested at the LINX™ 16i via on-board smart LEDs, without host computer communications.

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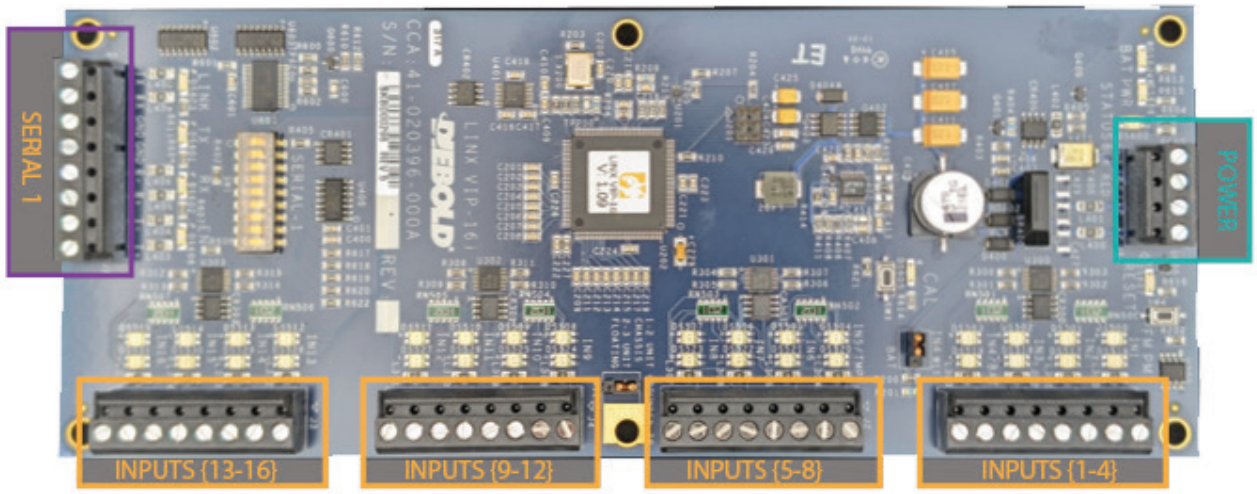

Specification	Description
Microprocessor	16-bit, 50 Mhz
Distributed Processing	Optional (via LINX™ 16i-E Module)
Communication Ports	1
Protocols	RS-232C/RS-485
Speed	115,200 bps max.
Tamper Protection	Enclosure, readers (via software). Support for optional lock engage sensor.
Contact Point Inputs	16
Configuration	Normally Open (N/O) or Normally Closed (N/C)
Supervision	Optional supervision with any EOL resistor values via on-board calibration button
5 States	Open, Closed, Line Secure, Line Faulted Open, Line Faulted Short
Maximum Distance	1,000 feet to end-of-line device
Operating Temperature	32° to 120°F (0° to 49°C)
Power Requirements	12–14 VAC or 12 VDC
Power Draw	Less than 1 A.
Dimensions	
Board	7-6/16” H x 9-11/16” W
Mounting Plate	9-1/2” H x 10” W
Enclosure	10” H x 10” W x 4-1/4” D
Certifications	UL 294, UL 1076, FCC Class A, Part 15