Remote Site Intelligent Monitoring and Management System

VIGIL CORE is an intelligent, cloud-based, centrally controlled management platform. This solution can be deployed in the cloud, on-premises or hybrid environment providing a flexible and future proofed system for the user. VIGIL CORE has been designed primarily for monitoring data such as access control, alarms, etc. from one to thousands of sites for any organization.
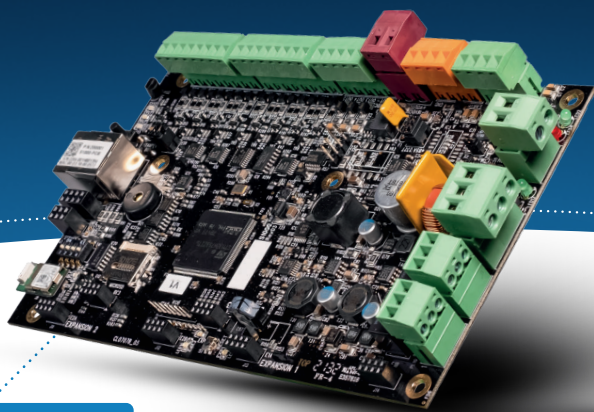
CORE COMPONENTS

A compact, low-power, multi-function security control panel located at each site. This panel supports alarm, access control and building management capabilities to enable complete site management in one panel.

User interface devices such as keypads and readers to allow for local control of the areas of the site. These devices typically allow arming and disarming, door access, local commands and configuration of the system.

A central software monitoring system for management of alarms access control rights to areas and doors (with full access audit trail) and data collection from sensors and other devices which can be connected to the control panel.

S1000 Smart Controller

The S1000 Intelligent Control Panel can remotely manage access control and alarms as well as building management functions. The panel can be expanded using adaptor modules and other network devices.

S1000 Smart Controller Specifications

- » 8 configurable inputs (expand to 255)
- » 2 configurable outputs (expand to 192)
- » 2 RS485/232 serial ports
- » On-board Ethernet (4G, WiFi, and PSTN optional)
- » 3 expansion adapter slots
- » Low power < 120mA @ 12VDC
- » Temperature Sensor (-10°C to 70°C)
- » Battery backup with built-in charger
- » High-temperature operation (up to 70°C)

IO Expansion Cards

CRI Cards

Dual Ethernet

Celular + GPS Cards

Remote Devices

The VIGIL CORE Solution supports a range of user interface and IO expansion devices to provide expansion of the local system.

The PACOM Alarm Keypad can be used to provide local arming and disarming and access control of the areas of a site as well as providing user access control.

Support for third-party Wiegand and OSDP readers that can be connected to provide access control functionality.

Expand IO capabilities with the SE1-8I20 module that supports 8 analog or digital inputs and 2 relay outputs.

Key Specifications

- » Local configuration of S1000 Smart Controller using mobile App
- » Login credentials required to access the panel
- » Interactive dashboard to allow navigation and view of all hardware features
- » Control of inputs, Outputs and Areas
- » Update Firmware via App or VIGIL CORE cloud platform
- » Testing of devices connected to the S1000 Smart Controller.
- » Remote connectivity to the VIGIL CORE Platform for verification of event activity
- » App available for Android and IOS devices

System Software

The VIGIL CORE Platform is a powerful management tool designed to operate within a central station monitoring environment as adjunct to majority of verticals including a Bank, Retail or Utilities core, third-party site security management software system.

The software monitors security, access and telemetry activity and gathers data from the sensors connected to the controller located at each remote site and prioritizes events for multiple operator workstations.

Interactive dashboards, graphical and geographical screens provide easy management and data consolidation showing the current and historical status of an estate, with the ability to drill down to view the current status of the system configuration at any site and details of the recorded history of activity at, and performance of, that site.

Software Features

» Interactive Dashboard showing overall system status

» Graphical site location and status

» Quick status views showing doors open and unlocked

» Alarm management

» Site configuration

» Full site access audit trail histories

» Built-in reporting engine

» Intuitive, multi-faceted interface

» Flexible and highly customizable

» SQL Database (other databases available)

» Distributed workstations

» IoT Compatible - Device Analytics

» AI Capable - Programmable Logic Rules