

Summary

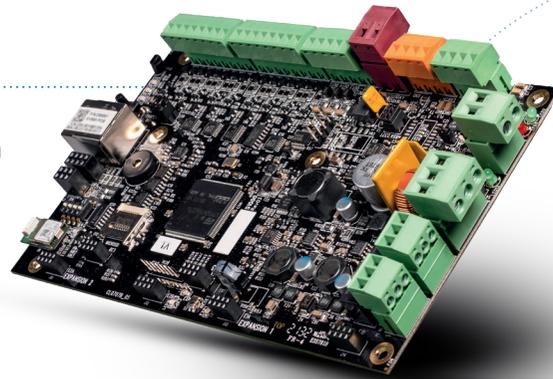
PACOM
VIGIL CORE™



Hardware

S1000 Smart Controller

Manage Access Control, Alarms and Building Management functions remotely and securely when connected to the VIGIL CORE Platform.



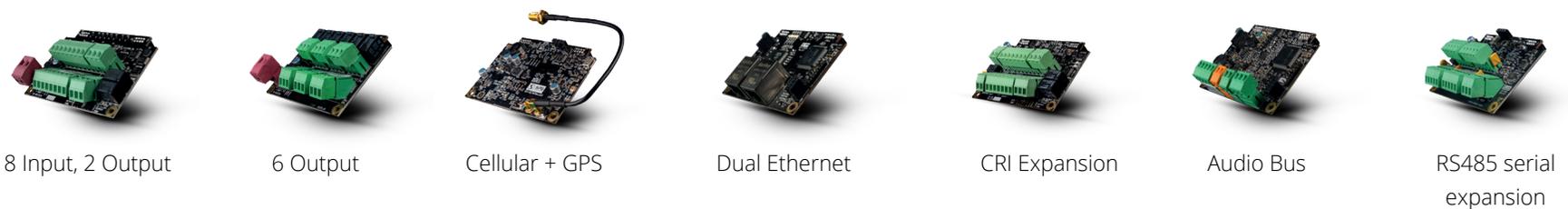
Alarm Keypad

The Alarm Keypad has a 2-row display and number pad with 6 function buttons for user interaction. The Keypad is available with or without a multi-technology reader. The S1000 controller conforms to the OSDP standard, supporting wide range of card readers, biometric readers and PIN pads to select as needed.



Expansions Cards

Install up to three (3) expansion cards per S1000 Smart Controller for modular system configuration.



8 Input, 2 Output

6 Output

Cellular + GPS

Dual Ethernet

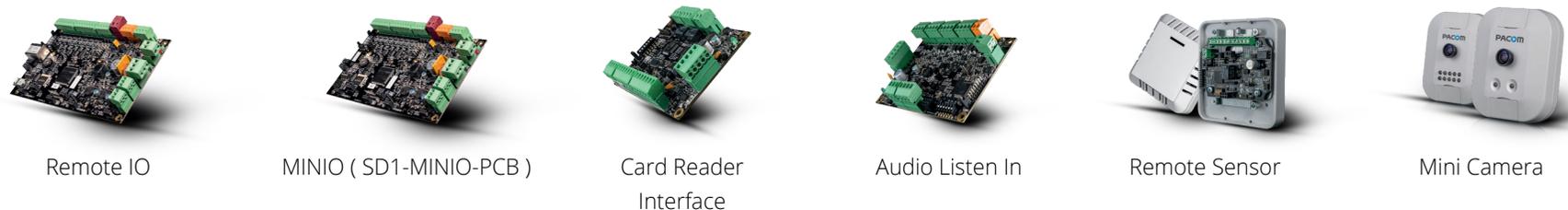
CRI Expansion

Audio Bus

RS485 serial expansion

Field Equipment

Increase system functionality and capacity with specialized on-site modules.



Remote IO

MINIO (SD1-MINIO-PCB)

Card Reader Interface

Audio Listen In

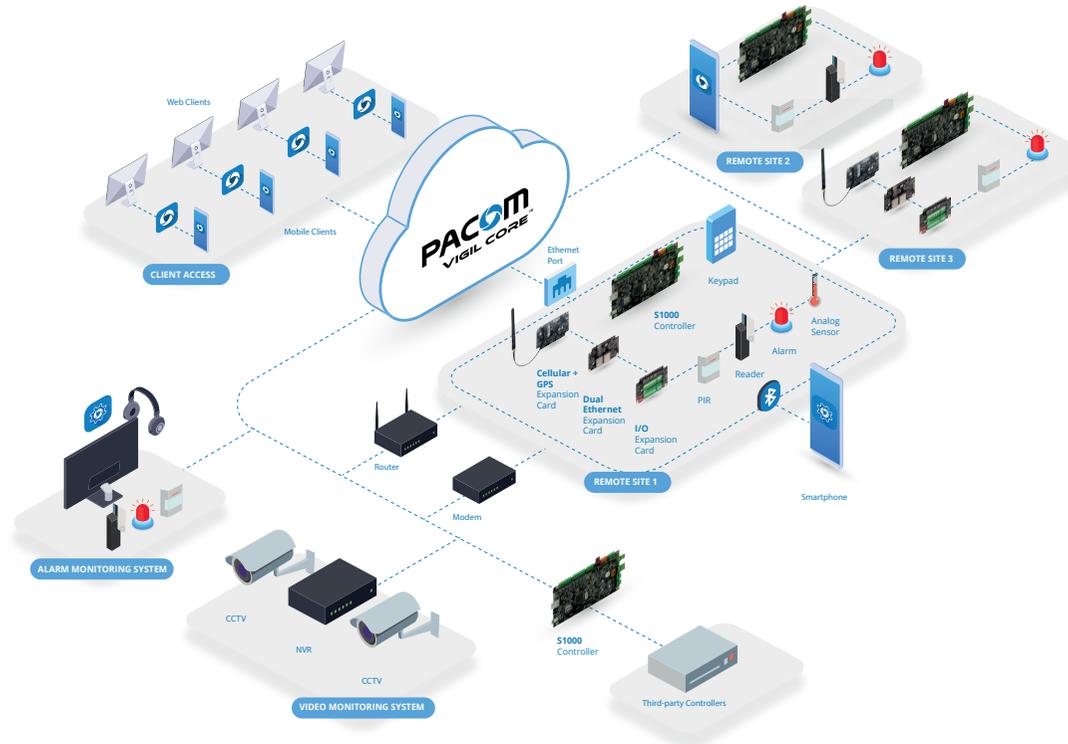
Remote Sensor

Mini Camera

System Solution

EN50131 Security Compliance

- » EN 50131-10:2014
- » Environmental Class II
- » EN 50131-1:2006 A1:2009
- » EN 50136-1:2012
- » EN 50131-3:2009
- » ATS4 & ATS5
- » EN 50131-6:2017
- » ATS Category: DP4 VIGIL CORE
- » Power Supply Type A
- » EN 60839-11-1:2013, Grade 3
- » Security Grade 4
- » IP Rating: IP40, IK Rating: IK04



Third-Party Integration

Expand your system further through third-party integrations.

- » Network Video Recorder (NVR)
- » Digital Video Recorder (DVR)
- » Automated License Plate Recognition (ALPR)
- » Inovonics EchoStream Devices
- » ASSA ABLOY Aperio devices
- » CLiQ wireless access control support

Onboard I/O

- » **Inputs:** - 8 Multi End-of-line monitored inputs or analogue 0-10V inputs (default 10K, programmable from 1K to 50K)
- » **Outputs:** 2 Relay NO/NC dry contact 0.5A@120VAC/1A@24VDC, 3 O/C 0-24V@250mA
- » **Readers:** 2 Wiegand D0/D1 (door contact, egress, door strike, green/red LED control, buzzer)

Alarm

- » **Inputs:** 255 max
- » **Outputs:** 192 max
- » **Intrusion Areas:** 32 max
- » **Alarm keypads:** 16 max
- » **Devices:** 32 max (150 with SD card)
- » **Tamper Input:** (top and bottom)
- » **Macros** Up to 1000

Access Control

- » **Card formats:** Up to 128-bit cards
- » **Readers:** 64
- » **Doors:** 64
- » **Access Roles:** 200
- » **Time Schedules:** 150
- » **Holidays:** 100

Communication

- » RJ45 Ethernet Port 10/100 BaseT
- » RS485 multidrop OSDP port Isolated RS232/RS485 configurable port for 3rd party devices
- » BLE 4.2
- » 4G(LTE)/3G/2G with expansion card
- » WiFi IEEE 802.11b/g/n with expansion

Database

- » **Card/user capacity:** 1000 default (500,000 with SD Card)
- » **Transaction storage:** 1000 default (65,000 with SD Card)
- » **Holidays:** 100 dates, 5 holiday types
- » **Time Zones:** 150

ARC Connection

- » SIA / CID DC09, multi-path support

Software

VIGIL CORE Platform

VIGIL CORE is an intelligent, cloud-based, centrally controlled management platform. This solution can be deployed in the cloud, on-premises or a 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.

VIGIL CORE Video

The VIGIL CORE Video Proxy Server is a stand-alone software solution designed to install within a closed network. The Video Proxy Server enables the integration with third-party video systems from any manufacturer that supports RTSP or ONVIF video formats.

VIGIL CORE ViMS

The VIGIL CORE Management System (ViMS) is a software solution within the VIGIL CORE Platform designed for a quick and accurate enrollment and identification of visitors in facilities.

VIGIL CORE Reports

VIGIL CORE Reports guide you in making smarter, more informed decisions using the fully integrated Reporting and Dashboard modules. Gather data from real-time key system metrics or develop insights from historical trends.



VIGIL CORE Features

- » Built with the latest web technologies
- » Alarm notification pop-up and alert
- » Cloud friendly, fully web-based
- » AI Capable - Programmable Logic Rules
- » Horizontal scalability, unlimited connections
- » Supports unlimited users
- » Multiple Database support (MS SQL, MySQL)
- » Supports multiple languages
- » IoT Compatible - Device Analytics
- » Supports full site partitioning and audit history
- » Multiple OS support (MS, Linux)
- » Open API - every function is accessible
- » Supports unlimited hardware IO devices
- » Supports Dynamic Server Environment unlimited redundancy
- » Integration to third-party monitoring systems
- » Unlimited web client connections

APPS

The VIGIL CORE Manager

The VIGIL CORE Manager App provides mobile optimised Dashboard Summary, Event Notification, Alarm Management, Door Control, Video Verification and User Monitoring.



VIGIL CORE Setup

The VIGIL CORE Setup App provides network settings for the S1000 Smart Controller to establish remote communications to the VIGIL CORE Platform, input and output testing both locally and end-to-end.



Product Ecosystem

