

ARCO

SOLUTIONS

Remote Site Intelligent Monitoring and Management System



The ARCO Solution is an intelligent, centrally controlled, network designed primarily for managing thousands of remote sites that make up a significant part of the asset base of any Utilities, Retail, or Banking organisation.

CORE COMPONENTS

1

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.

2

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.

3

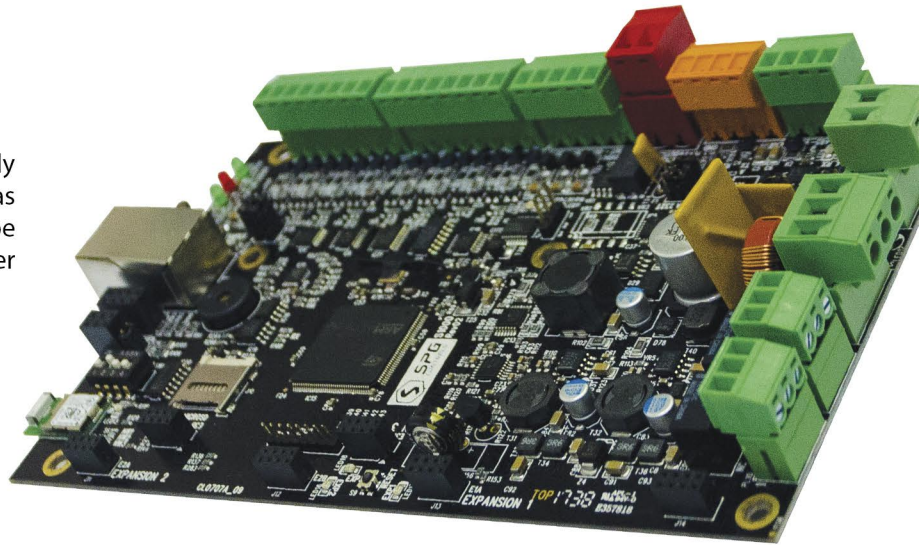
A central software monitoring system for management of alarms access control rights to areas and doors (with full access audit trail) and data collection from sensors and other devices which can be connect to the control panel.

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 200)
- 8 configurable outputs (expand to 50)
- 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 back-up with built in charger
- High temperature operation (up to 70°C)



Remote User Interface

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

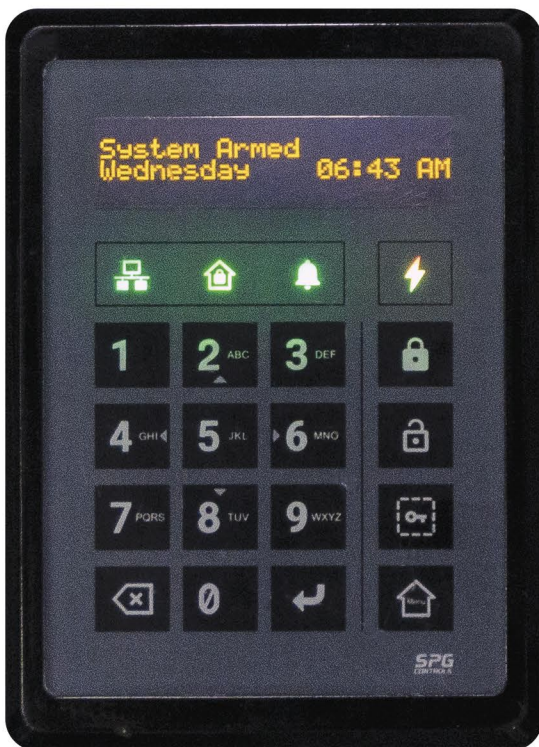
The SPG Alarm Keypad can be used to provide local arming and disarming and access control of the areas of a site as well as providing user access control.

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 of firmware
- Testing of devices connected to the S1000 Smart Controller.
- Remote connectivity to ARCO Platform for verification of event activity
- App available for Android and IOS devices



System Software



ARCO Platform is a powerful management tool designed to operate within a central station monitoring environment as an adjunct to 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 prioritises events for multiple operator workstations.

Interactive dashboards, graphical and geographical screens provide easy management and data consolidation showing the current and historic 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.

ARCO Platform handles the central management of access rights for accessing areas, or the opening of site doors or locks that are distributed to the intelligent keys held by engineers and other personnel. It communicates the access authority (specified locks and time windows) to the smartphones/tablets/laptops used by keyholders to transfer opening rights to their key. The system also holds the master history of access events across the estate.

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 customisable
- SQL Database (other databases available)
- Distributed workstations
- IoT Compatible - Device Analytics
- AI Capable - Programmable Logic Rules