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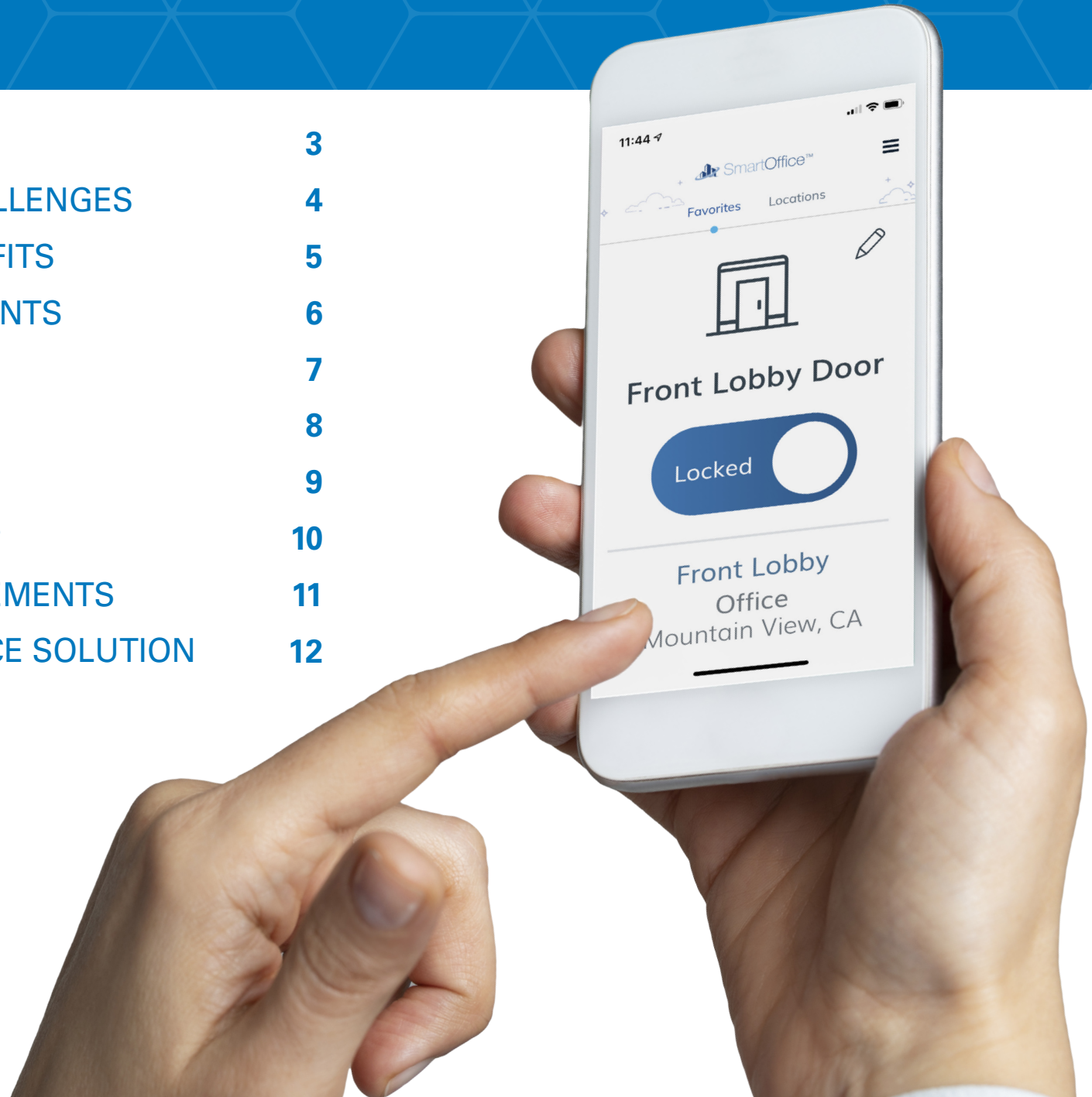


BUSINESS COMMUNICATIONS MEETS SMART ACCESS

BROCHURE

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PRODUCT OVERVIEW

Affordable, Secure, and Easy-to-Use Cardless Access Control Solution for Small Businesses

Premise security has always been expensive, inconvenient for employees, complicated to manage and a concern for businesses using physical keys, keycards and fobs for door access.

Sangoma SmartOffice is an innovative, affordable, simple to use and manage solution for business door access. It is operated and controlled using a mobile app, so no more worrying about lost key cards. With the security and convenience of smartphones, access security is guaranteed, and the simple management console of SmartOffice makes administration a breeze. It leverages wireless IoT technology for use with door locks, sensors and other components, making the solution very affordable, easy to install, and scalable as your business grows.

The SmartOffice solution uses wireless door locks from top manufacturers and is also designed to work seamlessly with traditional door entry systems which use existing magnetic locks and door strikes.



Easy to Install



Simple Operation



Mobile Security

Simple Management

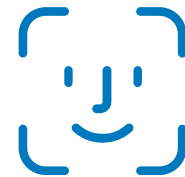
SmartOffice saves you time with intuitive one-click user onboarding, eliminating the complications of a typical access control solution. Everything from user setup, hardware adds, door access, and permissions are all handled using common directory information, simplifying access control management. Door activity, monitoring, and security is all handled from the convenience of a smartphone app.

Security & Convenience

SmartOffice is completely controlled and operated from a mobile app, leveraging the security mechanisms of smartphones, such as Touch ID and Face ID. This prevents unwanted users from accessing the system, so that even if someone loses their device the office is not compromised, as opposed to lost key cards and fobs.



Touch ID



Face ID

SmartOffice is backed by Sangoma's cloud-based authentication and licensing service, so that every office location, every user and every door access request is authenticated, ensuring full security protection for your business at all times.

SOLVING BUSINESS CHALLENGES

SmartOffice Solves Many Challenges for Small Businesses

Save Up to 50% More Money Than with the Competition*

- » Save up to \$400 per door - No expensive card readers to install
- » Save up to \$1500 - No central hardware controller board to purchase and enclose
- » Save up to \$3000 - No added wiring costs! Leverage existing local network infrastructure and avoid wiring costs to a centralized controller
- » Go completely wireless to save more money
 - › Reuse existing door strikes or mag locks
 - › Use your own installer

**Analysis for typical 2 door installation*

Save IT Time & Resources

- » No physical keys, cards or fobs for access, or to lose and pose as a security risk!
- » Onboarding, user permissions and security authentication simplified with one-click self serve setup
- » The use of wireless technology means:
 - › Quick Installation - Installation in under 4 hours
 - › Simpler and affordable - Typically up to 50% less than other access control systems



SMARTOFFICE KEY BENEFITS

Affordability

By leveraging the latest in wireless technologies and eliminating card readers, SmartOffice provides an affordable access control solution for the small business.

Smartphone App Control & Credentials

All of the device configuration, administration, and end user operation of the access control solution is done via the SmartOffice mobile app. This also eliminates the need for card keys or fobs.

Improves Access Security

Lost keycards are a major security issue. SmartOffice app leverages the security mechanism of smartphones, such as TouchID/FaceID, which means the office is never compromised by unwanted system users even if the mobile phone is lost. Backed cloud-based authentication and licensing services handle hardware and access security.

Simplified Management

One-touch user onboarding via common directory and 'one-stop shop' control for user groups, control, and permissions.

Security Alerting

Through the use of the mobile app, a user or administrator can receive alerts on events such as doors being unlocked and motion in an area.

Easy to Use

From the "one-click" login, to the intuitive user experience, the mobile app is easy for all users to immediately use SmartOffice with little to no training.

No Wires

SmartOffice uses your existing LAN network and wiring, eliminating the time and cost for installing and maintaining a dedicated, separate, and costly access control network.

No 'Rip & Replace' for Existing Door Strikes & Mag Locks

For businesses already using, or requiring the need for, traditional door strikes and mag locks, SmartOffice includes Plug and Play integration.

No Door Readers

Readers per door are expensive and are a potential security risk as they reside outside of the premises. They are a primary target for hacks and attacks.

SMARTOFFICE COMPONENTS

Software

SmartOffice Manager

- » Establishes the licensing entitlement for the customer
- » Enabled common directory for simplified management
- » Allows management of user and group permissions

SmartOffice Cloud Service

- » Communication between the system components to allow seamless operation within the local network and for remote users
- » Login authentication for users and admins
- » Email and certificate management services

SmartOffice Mobile App

- » The mechanism for users to unlock doors and receive notifications
- » The application used by administrators to configure the system and add, remove, or configure hardware devices



Hardware

SmartOffice Gateway

Used to control wireless door lock(s), MagStrike controllers, door and motion sensors via Zigbee wireless connections based on input from the mobile app.



Wireless Smart Locks

Internal and external wireless door locks controlled by the SmartOffice Gateway over Zigbee connection.



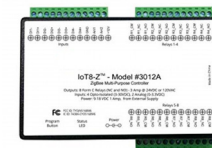
Contact Sensors & Motion Detectors

Used to detect the state of a door and movement near a door.



MagStrike Controller

Electric strike controller used for installation where there is an existing traditional access control system with Mag/Strike locks.

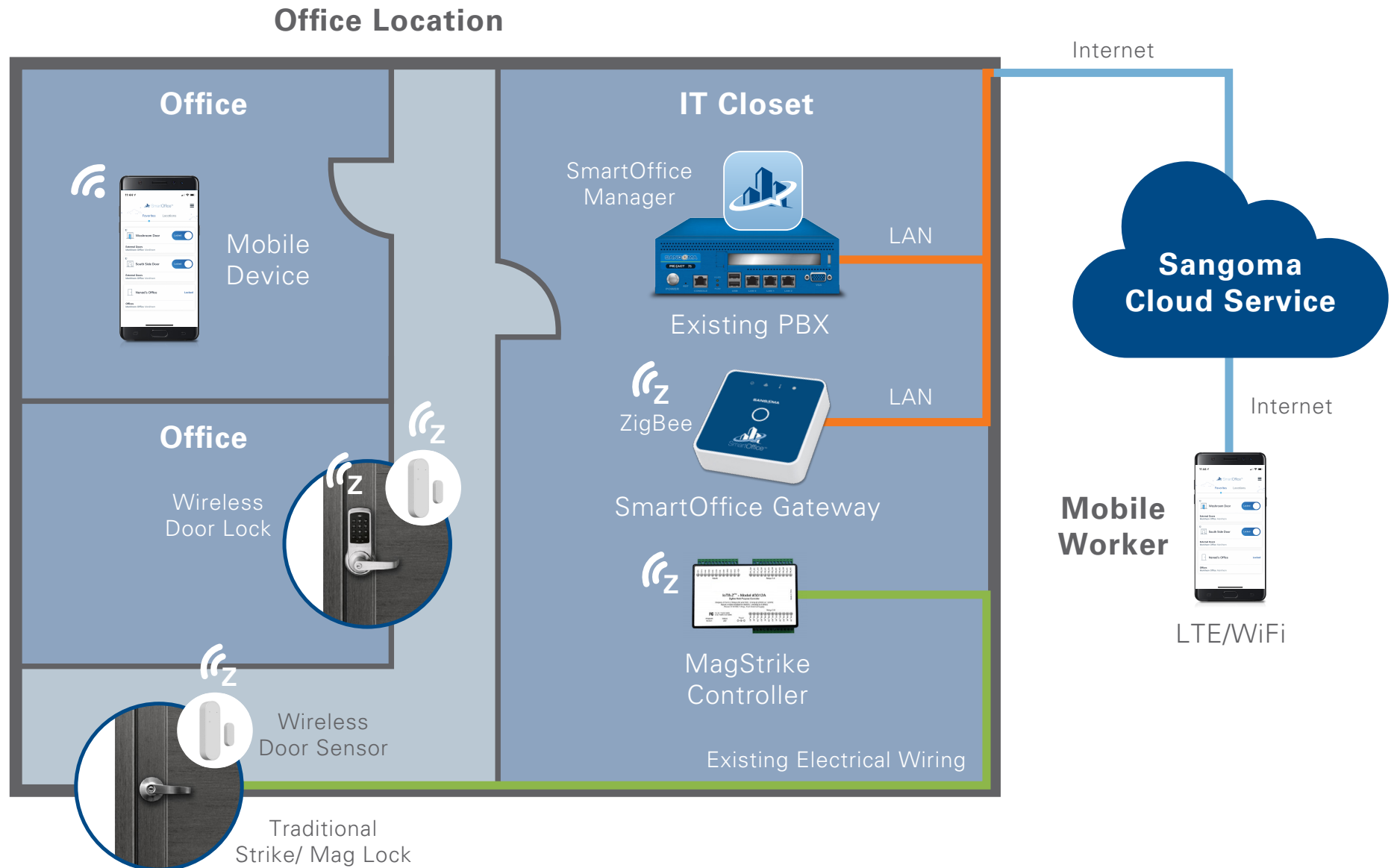


Range Extender

Provides improved wireless performance where needed.



HOW IT ALL WORKS



WHERE TO START

Building **Without** Pre-existing Access Control

If you are moving into a brand-new building location where no door entry system is installed, or you are using physical keys for access, take advantage of a completely wireless door lock setup with SmartOffice. You'll need:

Wireless Door Kit(s)

One door lock kit is required for each door you want SmartOffice to control, wirelessly. Door kits include one wireless door lock, one motion sensor to unlock the door, and one door sensor which sends status notification back to the SmartOffice Gateway.

SmartOffice Wireless door kits are offered in various door lock options: heavy duty, Lever Lock and deadbolt, based on your needs.

SmartOffice Gateway

Controls all the wireless SmartOffice devices in the premises, including wireless door locks, door sensors and motion sensors. One gateway can control up to 20 wireless doors (including the sensors), which means most small businesses will only require one gateway at their premises.

SmartOffice Manager

Licensed software which installs into your existing Sangoma PBXact phone system.

Mobile App

Need to operate and control SmartOffice.

Building **With** Pre-existing Access Control

If your office already has an existing access control system with maglocks or door strikes, where staff unlock doors using keycards or fobs, you have two options:

Option 1

Continue to use your maglocks and door strikes and upgrade to SmartOffice to eliminate keycards and fobs for door access, and replace with the SmartOffice Mobile app.

- » This option requires the MagStrike Controller to be installed within your wiring closet where the existing access control equipment is located. This device will electronically control your maglocks and door strikes, while communicating wirelessly with the SmartOffice gateway.
- » The rest of the components detailed in the previous new building setup are also required, except the wireless door kits.

Option 2

Option 1 + Wireless door. SmartOffice works together with existing access control systems so that businesses can migrate to wireless doors.

- » This option requires both the MagStrike Controller to control the maglocks and door strikes, and wireless door kit for wireless door installation.

You can also continue to use your keycards and fobs together with any of the above options too!

THE MOBILE APP

The SmartOffice Mobile app is at the center of how employees and administrators operate SmartOffice. Access to offices and buildings is fully controlled and operated from a mobile app, without needing to carry a key card or fob.



Unlock/Lock building doors by using your mobile device, over a Wi-Fi or cellular network, even when you are remote



New users (employees/guests) are setup for access immediately with an email invitation to app with permissions all setup



Monitor who has access to the building along with notifications



Arm/Disarm office zones with a touch of a button



Configure doors, sensors and all other hardware devices directly from the app for easy installation and expansion



Improves access security and uses cloud-based verification with the phone system and SmartOffice devices



EASY START & GO SETUP

Receive a SmartOffice Setup Email on Your Mobile Device from the SmartOffice Manager

- » Click the link to download SmartOffice and install the SmartOffice app from Google Play Store or Apple App Store
- » Click on the magic login link from within the email and the SmartOffice app will automatically login with a pre-configured dashboard setup for you by the administrator
- » Walk up to a door and click the door open icon to enter!

Hello Dustin,

Welcome to your
SmartOffice!

1. Install the
SmartOffice mobile app



2. Login to SmartOffice
by clicking the login link,
after you install the app

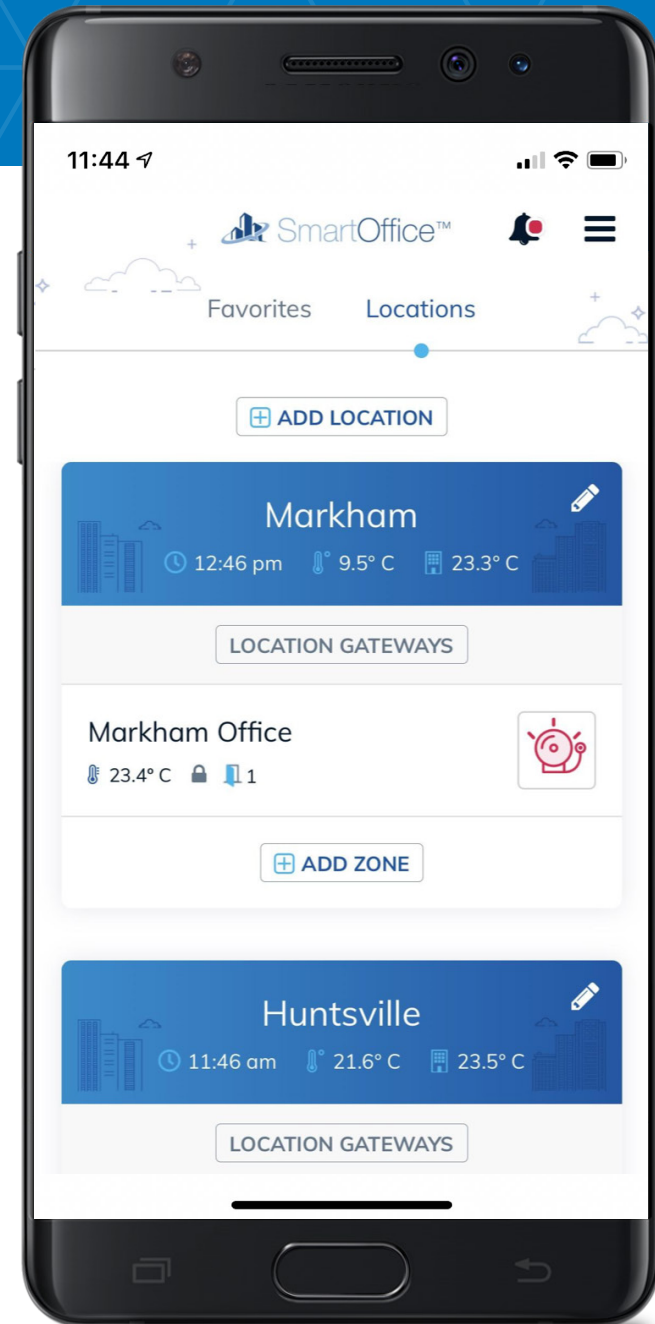
Login link

Administrators – Configure SmartOffice Directly from the Mobile App!

Administrators get first access to the invitation email on their mobile device to configure all hardware devices and door locks.

- » Office location is automatically detected using location services

The SmartOffice mobile app makes it so easy for administrators/business owners to quickly set up their entire office empowering them with all features needed without needing to spend working with separate access control system equipment.



PHONE SYSTEM REQUIREMENTS

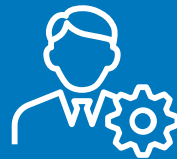
Phone System Requirements

SmartOffice is integrated with Sangoma PBXact user directory which eliminates the requirement of a central access controller.

- » Saving time by managing users and permissions from one location within the same place in the PBX you are already familiar with
- » No access controller board and wiring to worry about
- » Software licence purchase and installation follows the same, simple process you are already familiar with



Purchase SmartOffice License
through the Sangoma Portal



Enable SmartOffice app
permissions for staff and
administrators through the
User Management Module of
Sangoma PBXact



Click the 'invite' button to
send off invitation emails to
staff and admins with their
respect permissions
pre-configured

BUILD YOUR SMARTOFFICE SOLUTION

Requirements

SmartOffice Manager and Mobile App

- » Purchase Software License
- » Download Mobile App

Gateway Kit

- » SmartOffice Gateway
- » Range Extender
- » Email and Certificate Management Services

Only 1 gateway kit required per office location



Door Kit Options

Wireless Door Kit

- » Lever Lock and Deadbolt Options Available
- » Door Contact Sensor
- » Motion Sensor



Traditional Strike/Mag Door Kit

- » 1 x Controller (For Up to 8 Doors)
- » Door Contact Sensor
- » Motion Sensor



SmartOffice is Powered by Leading Door Lock Manufacturers

SmartOffice uses Yale keypad door locks for next-level security. They combine a modern look and innovative access control technology with an array of bold new features, offering an attractive access control solution to a range of facilities. With a heavy-duty design, with Grade 1 and Grade 2 options, Yale provides durable and reliable security from a brand trusted for over 170 years.

Features

- » All Yale locks are shipped Zigbee-enabled, so there is never a need to upgrade
- » Push button keypad for tactile environments and ADA compliance
- » Privacy mode enabled by a button push
- » 9V battery power backup prevents lockout even if the batteries fail



Heavy Duty Lock



Lever Lock



Deadbolt



About Sangoma Technologies Corporation

Sangoma Technologies is a trusted leader in delivering value-based Communications as a Service (CaaS) solutions for businesses of all sizes, service providers and OEMs. Sangoma's offerings include Unified Communication (UCaaS) and Call Center as a Service (CCaaS) business phone systems, both on-premise and cloud, Communications Platform as a Service (CPaaS), SIP trunking services (TaaS), and telephony hardware which can also be deployed as a service.

Sangoma's products and services are used in leading PBX, IVR, contact center, carrier networks, and data communication applications worldwide. Sangoma is the primary developer and sponsor of the Asterisk project, the world's most widely used open source communications software, the world's most widely used open source PBX software. Businesses can achieve enhanced levels of collaboration, productivity, and ROI with Sangoma.