Security Expert Vandal Resistant Touchscreen Intercom

Located at the main entrance, the Security Expert Vandal Resistant Touchscreen Intercom is likely to be the first thing people notice as they approach the building. Designed to operate as a standalone unit, or as part of a complete integrated Security Expert solution, the Touchscreen Intercom provides an intuitive interface for visitors to communicate with tenants, building management, a concierge, or even to off-site locations, such as directly linking guests with corporate housing owners. VoIP and video capability, enables you to view live video from multiple sources and utilize two-way voice communication to SIP compliant phones and intercoms.

Feature Highlights

- Vandal resistant IP65 rated enclosure
- Fully VoIP compliant to allow communication with other Security Expert intercoms or third party VoIP devices including external phones
- 17" touch screen display
- Built in high resolution camera with wide viewing angle
- Interact with the Security Expert System Controller to allow control of devices such as doors, lights and elevators
- 12VDC power supply input or Power over Ethernet (PoE)
- Customizable home page for the display of floor plans or company specific branding
- Full Security Expert/SP-C-WEB integration for user list population and apartment extension listings
- Speaker and microphone for two way communication
- High brightness display

Security Expert/SP-C-WEB User Integration

User integration enables the management of tenancy directory listings within SP-C-WEB or Security Expert. Directory listings automatically synchronize and display on the Touchscreen Intercom. You can use the directory to call tenants and unlock a specific door using valid credentials.

- User integration with Security Expert is achieved using the Security Expert SOAP Service
- The Touchscreen Intercom uses the SP-C-WEB controller's IP address to facilitate user integration

Protege Integration

Integration allows communication with any SP-C-WEB or Security Expert controller to control any connected physical devices and monitor the status of the Touchscreen Intercom.

When integrated with Security Expert or SP-C-WEB, you can program certain functions that enable you to use the Touchscreen Intercom to unlock the doors leading to your apartment, trigger lighting along the way and call the appropriate elevator.

Integration is achieved by adding the Touchscreen Intercom into Security Expert as a keypad.

Local Door Control

The Touchscreen Intercom comes equipped with one programmable open collector output suitable for local door operation.

- When operating standalone, you can use DTMF codes to toggle the onboard output, enabling you to unlock/lock a door with a phone call
- When operating in online mode, use DTMF codes to unlock a door controlled in Security Expert / SP-C-WEB
- When the Touchscreen Intercom is online with Security Expert or SP-C-WEB, tap the screen to navigate to the directory and unlock a specific door

Web Interface

The web interface enables you to configure and manage users displayed in the directory and adjust the Touchscreen Intercom's settings. The web interface also allows you to program offline lock operation.

Customizable Home Page

From the web interface you can create a unique user experience with high quality graphics for display on the Touchscreen Intercom's home page. This enables you to tailor the Touchscreen Intercom to fit with your company's branding.

Advertisement Support

The Touchscreen Intercom supports the display of advertisements on the home page.

Optional Postal Lock

Complexes or buildings with mailboxes on the secure side of the installation can add the Postal Lock mechanism to allow for door release by postal service providers.
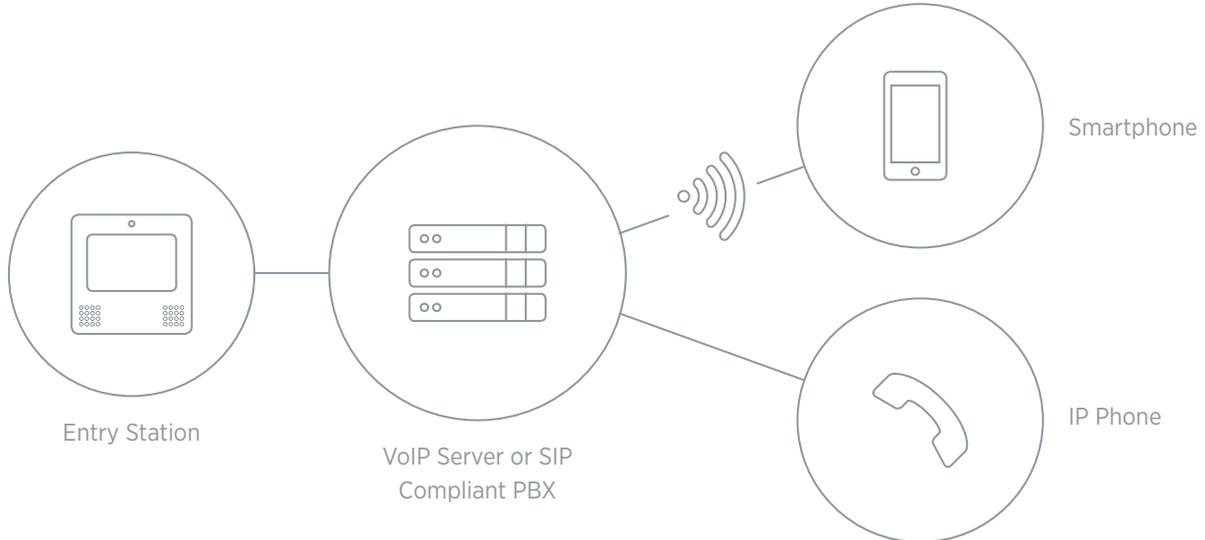
Android/iOS Client

Configure any Android or iOS device to operate as an Touchscreen Intercom client, enabling tenants to interact with visitors using the Touchscreen Intercom. The client provides full VoIP functionality, live video streaming and Security Expert/SP-C-WEB controller integration.

VoIP Capabilities

The VoIP Touchscreen Intercom can run as a standalone point-to-point device, or register as a phone on any VoIP capable PBX to allow normal call operation.

Using a VoIP capable PBX server enables you to use phone numbers to call devices and configure complex call routing. This enables communication to multiple stations simultaneously, calls to route to alternative stations after a defined period of time, and calls to divert to different units based on a set schedule. If the server allows, you can also dial numbers on the public telephone network using a configured extension to dial out.

Smartphone

Entry Station

VoIP Server or SIP
Compliant PBX

IP Phone

Point-to-point connections involve IP to IP calling between the Touchscreen Intercom and VoIP devices. This enables you to make calls with the entry without using a VoIp SIP server, however, this method only allows you to call other VoIP devices.

Wide Angle Camera

The Touchscreen Intercom provides a live video feed that is viewable from a remote monitoring station, a web browser, a Grandstream IP phone or from within SP-C-WEB/Security Expert.

Template Builder

Use the Security Expert Template Builder to create a unique user experience with a blend of high quality graphics and customizable images for display on the Touchscreen Intercom and the Android/iOS Touchscreen Intercom clients.

Schneider Electric provides templates for both residential and commercial installations.

Vandal Resistant Construction

Vandal resistant body and stainless steel front plate protects against malicious damage. The enclosed design accommodates both surface and flush mounting into a wall and mounting onto a kiosk stand.

Installation Wiring

Power is provided via a suitable 12VDC supply. Ethernet connection allows for installations that use either a dedicated Security Expert network or that simply connect the Touchscreen Intercom and Security Expert Integrated System Controller to the building's existing network.

Power over Ethernet (PoE)

PoE models simplify installation and reduce costs. As PoE runs data and power together over the same cable, it eliminates the time and overhead associated with AC outlet installations, while providing flexibility of the install location.

RS-485 (Encrypted ICT OSDP) Reader Port

Connect an RS-485 capable card reader to the Touchscreen Intercom to grant tenants access to the building.

Optional Wiegand Output

Use any Protege or 3rd party reader module to read the Wiegand output data sent from the Touchscreen Intercom.
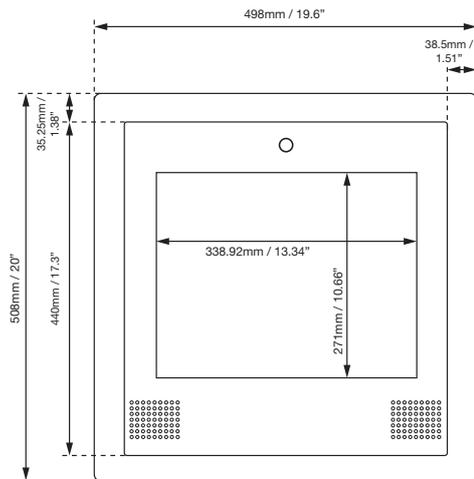
Mounting Options

The Touchscreen Intercom supports the following mounting options:

* For standard wall mounting, install the Touchscreen Intercom using either a Surface Mount Enclosure or Flush Mount Enclosure.
* For vertical installations, mount the Touchscreen Intercom on a stand for use as a kiosk.
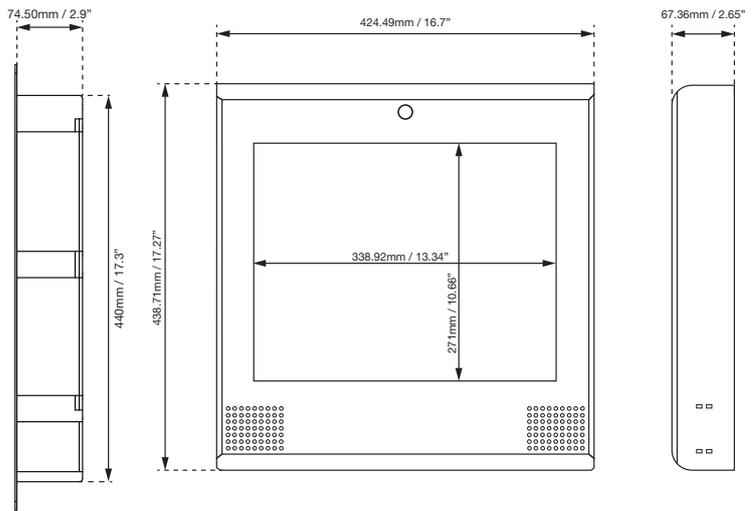
Mounting Location

The Touchscreen Intercom needs to be positioned so it is not exposed to direct sunlight, which prevents the display from overheating. If this is not possible, a sun cover is required.

Flush Mount

498mm / 19.6"
38.5mm / 1.51"
35.25mm / 1.38"
508mm / 20"
440mm / 17.3"
338.92mm / 13.34"
271mm / 10.66"

74.50mm / 2.9"
440mm / 17.3"

Surface Mount

424.49mm / 16.7"
67.36mm / 2.65"
438.71mm / 17.27"
338.92mm / 13.34"
271mm / 10.66"

Technical Specifications

Power Supply	
Operating Voltage	12V DC
Operating Current	4A
Power over Ethernet*	PoE 802.3at Class 4 (25.5W max) For use ONLY with Injector module POE61W-560DG
Communication	
10/100 Ethernet	VoIP, Module Network and PC Software
Wide Angle Camera	
Resolution	720p (1280x720 pixels)
Viewing Angle	140° horizontal / 70° vertical
Frame Rate	15 fps
Speakers	
Speakers	2 x 8Ω, 1W RMS
Speaker Amplifier	1.5W, 0.1% THD
Max. Acoustic Output	85dB at 1m
Microphone	
Microphone Type	6mm Electret Condensing Omnidirectional -46dB Nominal Sensitivity Signal/Noise ratio > 60dB
Screen	
Touch Screen	Projected Capacitive Technology
Environmental IP Rating	
IP Rating	IP65
Inputs	
Postal Lock Input	1
Outputs	
Open Collector Outputs	1
Temperature	
Operating	0˚- 55˚ Celsius (32˚ - 131˚ Fahrenheit)
Humidity	0%-85% (Non-Condensing)
Dimensions (L x W x H)	
Flush mount (visible area)	498 x 1.5 x 508mm (19.6 x 0.05 x 20")
Flush mount (back box)	423.50 x 75.41 x 440mm (16.7 x 2.9 x 17.3")
Surface mount	423.49 x 69.96 x 437.71mm (16.7 x 2.7 x 17.2")

* PoE models only

Ordering Information

SX-ENTR-SFC	Security Expert Vandal Resistant Touchscreen Intercom (Surface Mount)
SX-ENTR-FMT	Security Expert Vandal Resistant Touchscreen Intercom (Flush Mount)

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Regulatory Notices

Federal Communications Commission (FCC)

FCC Rules and Regulations CFR 47, Part 15, Class A.

This equipment complies with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; (2) This device must accept any interference received, including interference that may cause undesired operation.

Industry Canada

ICES-003

This is a Class A digital device that meets all requirements of the Canadian Interference-Causing Equipment Regulations.

CAN ICES-3 (A)/NMB-3(A)

RCM (Australian Communications and Media Authority (ACMA))

This equipment carries the RCM label and complies with EMC and radio communications regulations of the Australian Communications and Media Authority (ACMA) governing the Australian and New Zealand (AS/NZS) communities.

CE – Compliance with European Union (EU)

Conforms to European Union (EU) Low Voltage Directive (LVD) 2014/35/EU, Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU and RoHS Recast (RoHS2) Directive: 2011/65/EU.

This equipment complies with the rules of the Official Journal of the European Union for governing the Self Declaration of the CE Marking for the European Union as specified in the above directive(s).