Protege Vandal Resistant Touchscreen Intercom Entry Station



Operating as a standalone unit or part of an integrated Protege solution, the Protege Vandal Resistant Touchscreen Entry Station provides an intuitive interface for visitors to communicate with tenants, building management or a concierge, or even to off-site locations such as linking guests with corporate housing owners.

VoIP and video capability enables viewing live video from multiple sources, video calls and door control from the Protege Mobile App, and two-way voice communication to SIP compliant phones and intercoms.

Feature Highlights

- Vandal resistant IP65 rated enclosure
- Fully VoIP compliant, allowing communication with other Protege intercoms or third-party VoIP devices and external phones
- 17" touchscreen display, with high brightness for easy viewing
- Built-in high resolution camera with wide viewing angle
- Speaker and microphone for two way communication
- Integrates with Protege system controllers to allow control of doors, lights and elevators
- Customizable home page can display floor plans or company specific branding
- Full Protege GX / Protege WX integration for user list population and apartment extension listings
- Available in either a surface mount or flush mount design
- Robust IP65 rating with operation down to -25°C (-13°F)

Vandal Resistant Construction

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

Web Interface

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

User Integration

User integration allows you to manage entry station tenancy directory listings within Protege WX or Protege GX, avoiding the need for double-entry of user details.

Directory listings automatically synchronize and display on the entry station. Visitors can then use the directory to call tenants, who are able to unlock a door using valid credentials to conveniently grant access for their guests.

Protege Integration

The entry station can communicate with any Protege WX or Protege GX controller to control connected physical devices and monitor the status of the entry station.

When integrated with Protege GX or Protege WX, you can program functions that enable you to use the entry station to unlock the doors leading to each apartment, trigger lighting along the way, and call the appropriate elevator.

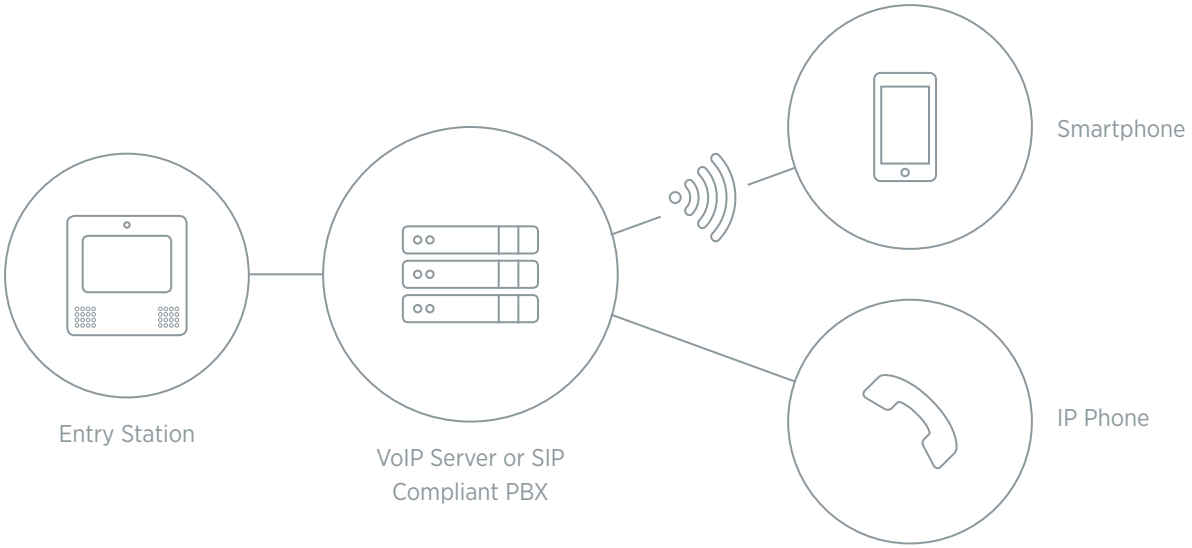
Integration is achieved by adding the entry station into Protege as a keypad.

VoIP Capabilities

The VoIP entry station 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, routing calls to alternative stations after a defined period of time, and diverting calls 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.

Point-to-point connections involve IP to IP calling between the entry station and VoIP devices. This enables you to make calls with the entry station without using a VoIP SIP server (only supports calls to other VoIP devices).



Wide Angle Camera

The entry station provides a live video feed that is viewable from a remote monitoring station, a web browser, a Grandstream IP phone or from within Protege GX / Protege WX.

Customizable Home Page

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

Advertising Support

The entry station supports the display of advertisements on the home page.

Mounting Options

The Protege Vandal Resistant Touchscreen Intercom Entry Station supports the following mounting options:

> The surface mount model is perfect for mounting directly onto a wall.

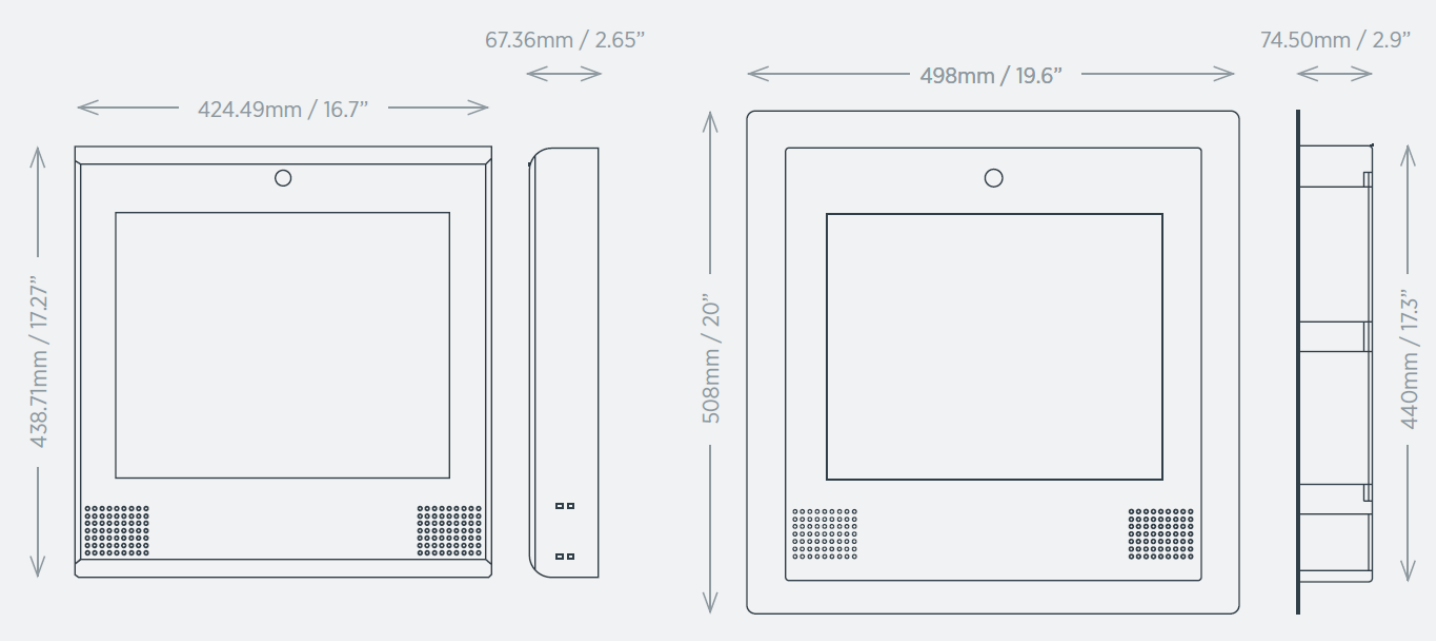
> The flush mount model is designed for mounting into a wall cavity so that the front plate is flush with the wall surface.

> An optional flush mount rough-in box allows a cavity to be built in place for the entry station during construction.
This should be ordered ahead of time so that it can be factored into the construction before installation.

> For vertical installations, the entry station can be mounted on a stand for use as a kiosk.

Surface Mount Model

Flush Mount Model



Mounting Location

The entry station needs to be positioned so that it is not exposed to direct sunlight, to prevent the display from overheating. If this is not possible, a sun cover is required.

Android/iOS Client

Configure any Android or iOS device to operate as an entry station client, enabling tenants to interact with visitors using the entry station. The client provides full VoIP functionality, live video streaming and Protege GX / Protege WX controller integration.

Optional Wiegand Output

Use any Protege or third party reader module to read the Wiegand output data sent from the entry station.

RS-485 (Encrypted ICT OSDP) Reader Port

Connect an RS-485 capable card reader to the entry station to grant tenants access to the building.

Local Door Control

The entry station 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 Protege GX / Protege WX.
- When the entry station is online with Protege GX or Protege WX, tap the screen to navigate to the directory and unlock a specific door.

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.

Technical Specifications

Ordering Information		Surface Mount Model	Flush Mount Model
Entry Station Models		PRT-ENTR-17-SFC	PRT-ENTR-17-FMT
Optional Rough-In Box		N/A	PRT-ENTR-17-FMT-RIB
Power Supply			
Operating Voltage		12VDC (10 -16VDC)	
Operating Current		3.0A (Typical)	
AC/DC Adapter		Mean Well GST60A15-P1J (15V, 60W)	
Power over Ethernet		PoE 802.3at Class 4 (25.5W max) Legacy installations only. For use only with the supplied PoE injector and PoE splitter.	
Communication			
Ethernet Speed		10/100	
Ethernet Port		HTTP:80 Web Interface, UDP:5060 SIP, TCP:9450 Module Comms	
Camera			
Resolution		720p (1280x720 pixels)	
Viewing Angle		140° horizontal / 70° vertical	
Frame Rate		15 fps	
Audio			
Out	Speakers	2 x 8Ω, 1W RMS	
	Amplifier	1.5W, 0.1% THD	
	Max Volume	85dB at 1m	
In	Microphone	6mm Electret Condensing	
	Direction	Omnidirectional	
	Sensitivity	-46dB Nominal Sensitivity	
	Signal/Noise Ratio	> 60dB	
I/O			
Inputs	Postal Lock Input	1	
Outputs	Open Collector Output	1	
Environment			
Operating Temperature		-25˚- 55˚ Celsius (-13˚ - 131˚ Fahrenheit)	
Working Humidity		10% to 90%	
Environmental IP Rating		IP65	
Dimensions		**Surface Mount Model**	**Flush Mount Model**
Visible	Height	438mm (17.3")	508mm (20")
	Width	424.5mm (16.7")	498mm (19.6")
	Depth	67.4mm (2.65")	1.5mm (0.06")

Bracket / Back Box	Height	353mm (13.89")	440mm (17.3")
	Width	420mm (16.5")	424mm (16.7")
	Depth	2mm (0.07")	74.5mm (2.9")
Net Weight		13.0kg (28.7lb)	13.8kg (30.4lb)
Gross Weight		17.7kg (39.0lb)	17.1kg (37.7lb)
Dimensions		**Optional Flush Mount Rough-In Box**	
Dimensions (L x W x H)		454 x 432 x 73.5mm (17.9 x 17.0 x 2.9")	
Net Weight		3.6kg (7.9lb)	
Gross Weight		5.5kg (12.1lb)	

Regulatory Notices

For a full regulatory and approval list please visit the ICT website.

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 where applicable to European Union (EU) Low Voltage Directive (LVD) 2014/35/EU, Electromagnetic Compatibility (EMC) Directive 2014/30/EU, Radio Equipment Directive (RED)2014/53/EU and RoHS Recast (RoHS2) Directive: 2011/65/EU + Amendment Directive (EU) 2015/863.

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 directives.

Security Grade 4, Environmental Class II, EN 50131-1:2006+A2:2017, EN 50131-3:2009, EN 50131-6:2008+A1:2014, EN 50131-10:2014, EN 50136-1:2012, EN 50136-2:2013, EN 60839-11-1:2013, Power frequency magnetic field immunity tests EN 61000-4-8, Readers Environmental Class: IVA, IK07.

UK Conformity Assessment (UKCA) Mark

This equipment carries the UKCA label and complies with all applicable standards.

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.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

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

Designers & manufacturers of integrated electronic access control, security and automation products.
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