ICT

ProtegeX.

Scalable Security by Design.

Scalable security by design.

Protege X is a next generation cloud-based, cross platform access control and intrusion detection ecosystem, designed for businesses that demand future-proofed flexibility.

An intuitive pathway from Protege WX enables direct migration to Protege X via the cloud for programming, user databases, and supported integrations. Whether your customers have one property or are an expanding business with multiple locations, Protege X provides a seamless path from Protege WX to a cloud-based solution that grows with them.
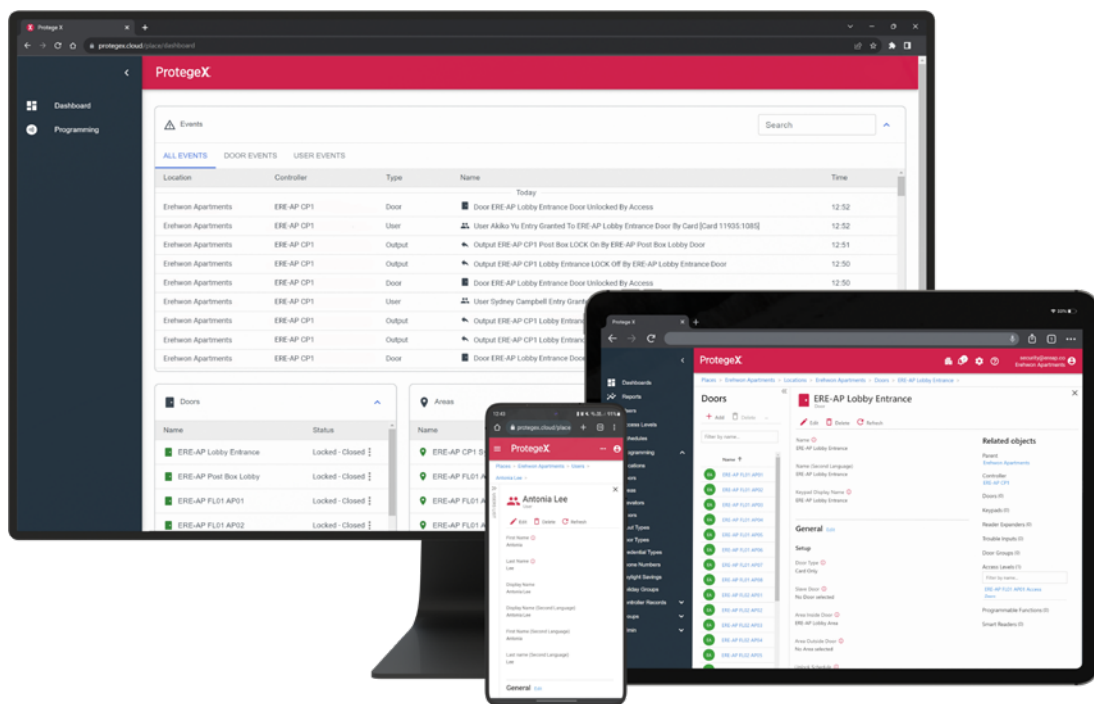
How Protege X benefits you.

But you're probably asking yourself 'why should I add Protege X to my suite of products?' **We've outlined some key benefits for installers and integrators:**

> Become part of the Software as a Service (SaaS) revolution, without having to invest in your own cloud servers

> Receive a recurring monthly income stream from the subscription service, rather than a one-time payment

> No need to lock your customers into an SMB system that doesn't grow with them. Protege X is scalable from SMB to enterprise

> Centralized controllers and locations mean easier system management. Understand what's happening across all customers locations at a glance, from one easy to use interface

> Centralized programming of the entire system. No need to duplicate programming and databases across multiple controllers, improving your efficiencies as an installer and removing the risks associated with multiple user databases

> Controlling places through the Protege Mobile App is vastly improved thanks to the power of the cloud. As long as you have internet access, all you need to do is open the app and you'll get full oversight, no matter where you are

> Limited lifetime warranty — upgrade an aging site to X and provide a limited lifetime warranty for your trouble, a painless upgrade and an easy sale (T&Cs apply - see **ict.co/x-warranty**)

> Protege X makes it easier for end-users to manage their system, which means less callouts for you

> Places can be pre-programmed prior to the hardware being installed, allowing you to get them ready ahead of time

> Cross platform compatibility as Protege X supports the same system expansion modules as Protege WX and GX

Less stress, more time, and more money? **Welcome to Protege X.**

X.

Protege X

Web Browser

Location

Controller

Controller

Location

Controller

Place
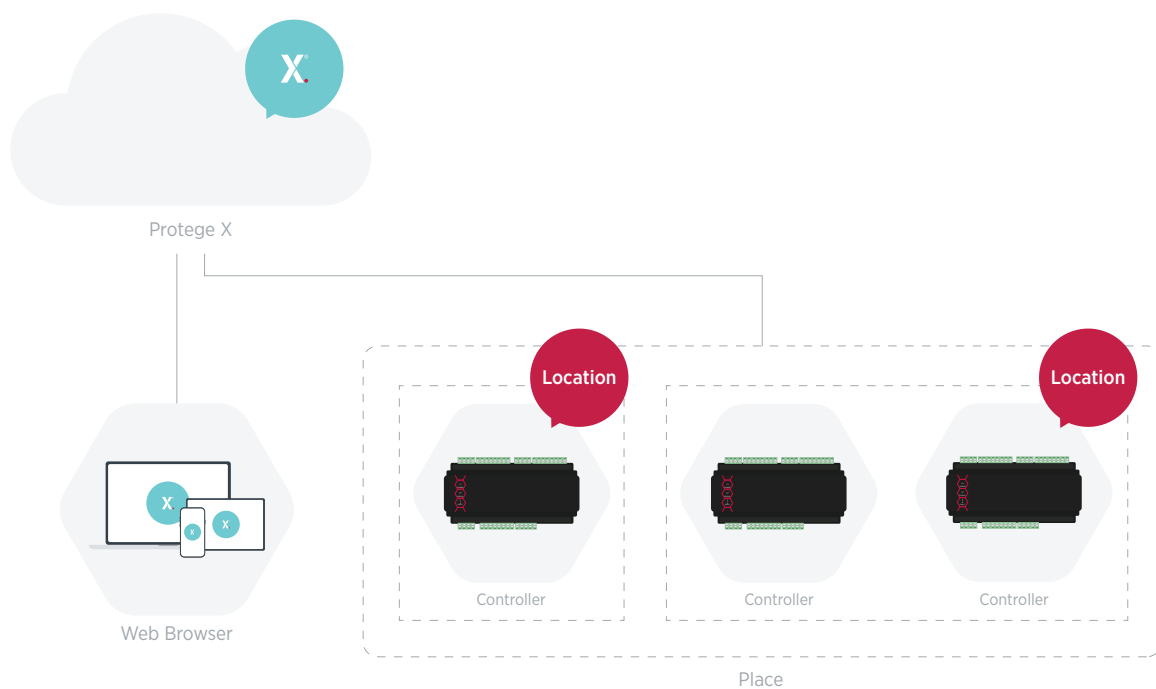
Key features.

Industry leading LIFETIME warranty.

> As long as you have an active Protege X subscription, all Protege X connected ICT hardware, including controllers, expanders, and even door readers, are covered by a limited lifetime warranty (T&Cs apply - see **ict.co/x-warranty**)

Hardware **covered**

Scalable security.

> Powered by Microsoft Azure – one of the most secure cloud infrastructure providers in the world. Microsoft cybersecurity experts test and monitor their database infrastructure 24/7. Azure is the first cloud platform to support both software and hardware-based Trusted Execution Environments

> Protege X is built with industry leading cybersecurity frameworks for robust security, with global enterprise level scalability

> Multi-factor authentication (MFA) is used to log into any apps connected to Protege X. MFA mitigates risks to your security system and is managed through Azure Active Directory

> Access from anywhere — no VPN required to get insight into what's happening across all locations. Just check your computer, tablet, or mobile app

> Web API available on request to enable creation and programming of custom integrations or data synchronization

> No server or specialized IT hardware means no IT management or associated costs as the automatic software updates keep your locations security up to date

> New functionality and features will be deployed to Protege X places on a regular basis, so you stay on top of security trends

Mobile first experience.

> Created with flexibility in mind, you can self-monitor and control any number of places from your smartphone with the Protege Mobile App

> Include the Protege 4G Cellular Modem for backup and monitoring via ArmorIP for a complete failsafe solution

> Because Protege X is cloud-based, there's no need to be on the same network as your controller or use a VPN

> Add users, open or lock doors, and report on daily events from any device. Complete visibility over all your locations, whether it's just down the road or across an ocean

Native access control, intrusion detection, and elevator control.

> No complex programming, no disparate systems to sync – built in logic, right out of the box and native to the platform

> Easily sync via the cloud and migrate Protege WX databases including programming with ease

> Ensure people are only accessing the floors they're allowed to with elevator control

User management.

> Easily add, edit, or remove users for all your connected places and locations from a single user portal

> Administer access rights across all locations and ensure people aren't accessing areas they shouldn't be

> Unified user management ensures global data protection – no disparate databases with legacy users or locations with different programming being used

Centralized multi-location control.

> Manage multiple locations from a single Protege X portal. Full oversight and control, no matter where you are

> Multiple locations, multiple controllers – unified and centralized access management
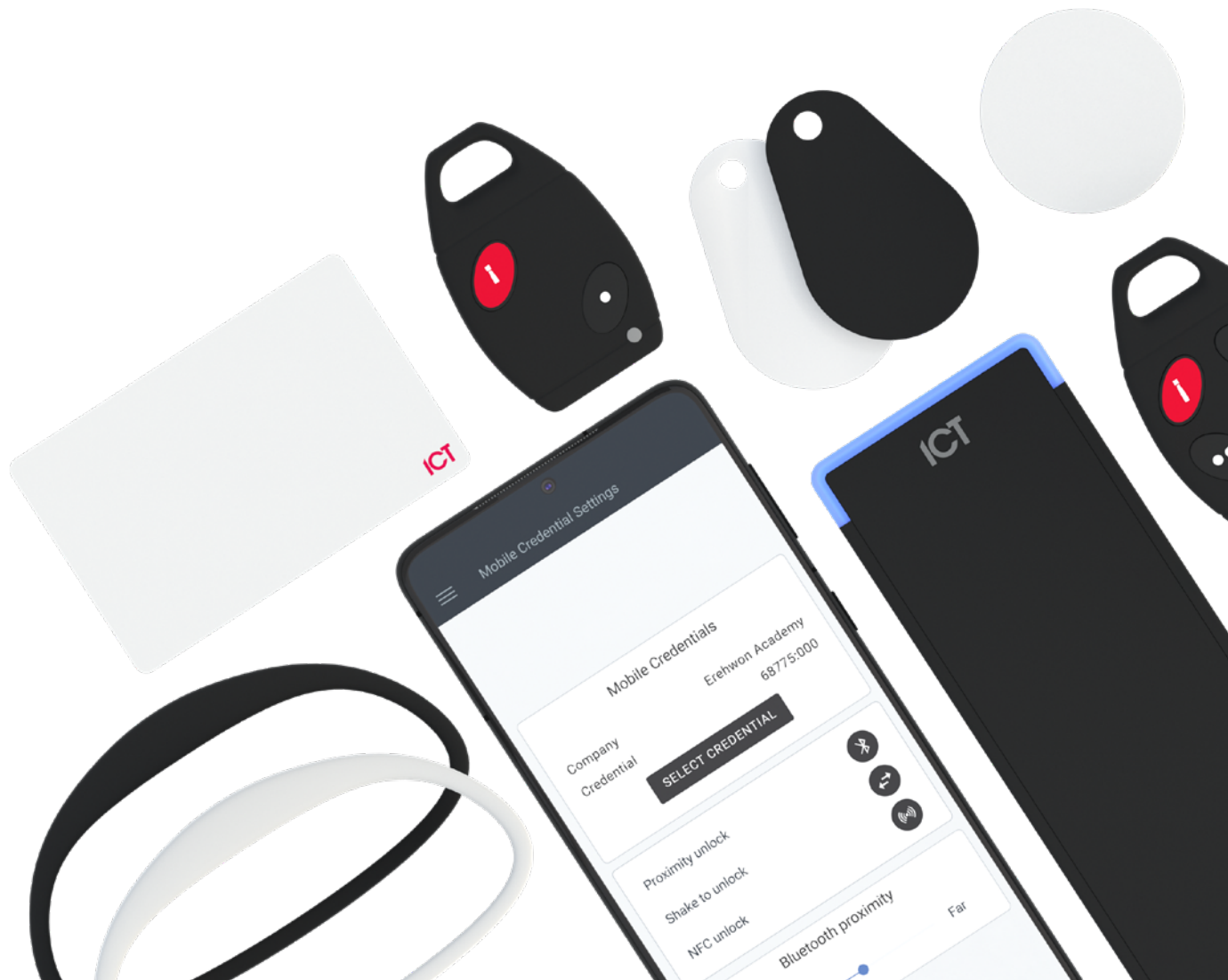
The power of the cloud.

> No port forwarding or complex configuration – sync any number of Protege controllers

PowerBI reporting.

> Intelligent PowerBI reports. Visualize data and use event reports to make informed decisions

> Pre-built template for out-of-the-box reporting

Multi-technology credential support.

> Compatible with leading smart technology credentials such as MIFARE DESFire and ICT Mobile Credentials

> Cards, fobs, wireless remotes, and mobile credentials — whatever your people need, we have you covered with multiple credentials able to be assigned per user

System capabilities.

System sizing	Scalable locations, card readers, users, and events to suit any environment
Administrator authentication	MFA using Microsoft Azure AD
Software updates	Automatic updates to all connected Protege X places
Cybersecurity standards	HTTPS using TLS 1.2 for all communications, AES-256 for data communication when using RS485 connectivity between controllers and readers. Azure AD
Third party integrations	> Wireless locks – Salto SALLIS and Assa Abloy Aperio > Elevator - basic output/input based elevator integration > IP Monitoring – ArmorIP
4G connectivity	Requires ICT 4G Cellular Modem
Credential support	125kHZ prox, 13.56 MHz, Bluetooth and NFC mobile credentials
Mobile management	Full control of location via Protege Mobile App. Manage users and credentials, view events, unlock doors remotely, lockdown
Advanced features	> Anti-passback > Elevator control > Door interlocking > Emergency egress > Dual custody > Loiter areas > Advanced scheduling > Multiple area support > Area counting > Man down > Automatic rearm > Extended access time > Child areas > Multiplex and multidrop > Door alarm monitoring > Scheduled arming > Duress alarm > Sequentially confirmed alarms > Two factor authentication > Stay arming
Supported readers	> All ICT tSec and TSL readers > OSDP 2.2 and Wiegand compatible readers > Biometric devices using Wiegand
Alarm reporting	> Encrypted ArmorIP (UDP and TCP), CID over IP, CSV, DC09. > PSTN based controllers support ContactID and SIA used with a standard phone line. > All IP based alarm reporting protocols are compatible with the Protege 4G Cellular Modem > Push Notifications are also possible through the Protege Mobile Application

To find out more about Protege X, please contact one of your local representatives through **sales@ict.co** today.

www.ict.co