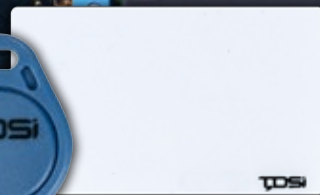




Integrated Access Control & Security Solutions

Delivering Peace of Mind

TDSi^{UK}



Versatile GARDiS Controllers

Scalable multi-technology GARDiS Controllers for up to 100,000 credentials, an unlimited number of doors and an ever-expanding range of integrations such as Lift Control, CCTV, ANPR and IP Locks

 tdsi.co.uk

 sales@tdsi.co.uk

 +44(0)1202 723 535

 Part of the
vita protech Group

Introducing TDSi Access Control Systems

Robust and reliable access control systems manufactured by world-renowned security specialists TDSi for over 40 years.

Protecting and securing your building, assets, and people is a high priority for any business. However, those responsible for building security often find themselves overwhelmed by choice.

In order to find the right solution, there are a number of considerations to be made such as who is permitted access to which areas, what happens in case of a fire or external threat? How do we keep track of footfall and which types of locks will we need? In addition, consideration for the cost of the system, its longevity, and ease of use all come into play when searching for the ideal product fit.

TDSi is a specialist in access control, manufacturing a range of superior products that not only answer the security challenges of the 21st century but delivers peace of mind to those who trust in our expertise and experience.

What is Access Control?

In simple terms, access control delivers permission based access to sites and/or resources whilst also managing the authorised flow of traffic. Access control systems are a fundamental component of physical security and vital to the security of buildings and assets.

Benefits

- ▲ Ease of control for access to authorised, unauthorised personnel & visitors
- ▲ Centralised management of systems across multiple sites
- ▲ Additional features such as alarm generation and time profiles further enhance security
- ▲ When integrated with other security systems it becomes an economical investment.
- ▲ Protects against data breaches and/or physical threat
- ▲ Enables operators to act fast when an incident occurs
- ▲ Occupancy management and assistance in the tracing of exposure to contagious illnesses
- ▲ Integration with Bluetooth & PID systems to create a touch-free system
- ▲ Creates a safe working environment whilst reducing chances of theft and accidents

Our integrated access control systems provide flexible, scalable, and future-proof solutions for a wide range of applications across the public and private sectors. Our integration options allow seamless integration between our access control systems and third-party database applications. They not only enhance the flexibility and security of the system but also increase the efficiency of usage and maximise ROI.

GARDiS

EXpress & PRO Software Solutions

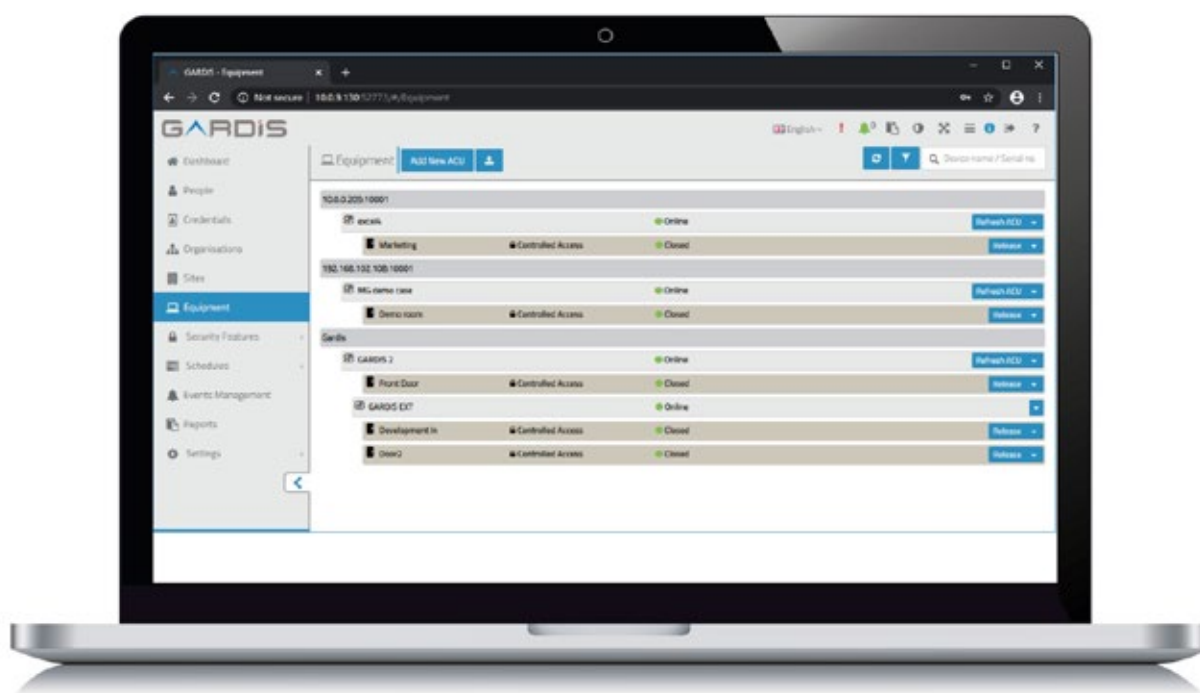
Stepping up to provide the best solution to the latest security challenges, the GARDiS browser-based application provides cutting-edge software within the market. Accessible through an internet browser, the GARDiS Software does not require any specialist equipment - providing cost-saving benefits to you. In addition, the reduced requirement for software configuration saves engineering time. Both the design and development have been innovated by customer feedback, specifically, a simplified platform that requires minimal training.

Ease and Accessibility

Improve accessibility with a single installation via a user-friendly interface. Developed specifically to accommodate varied user roles, from Installers to IT Managers, the GARDiS software seeks to reduce the overall hours and equipment costs associated with multiple installations. In addition, it is suitable for multi-site use, incorporating the GARDiS Controller range and the existing EX and MG ranges. GARDiS runs as a service, working autonomously without the need for management. The intuitive nature of the software makes it easy to troubleshoot, reducing the chance of customers incurring call-out costs. Coupled with a reliable and robust design; the GARDiS software is a desirable offering that requires minimal training and maintenance.

Security and Sharing

GARDiS Software delivers the same level of security insight as previous TDSi Software Solutions but with additional functionality such as the built-in feature to update the firmware to the controllers. GARDiS Software has launched with a licensable REST API, allowing customers and 3rd party providers to integrate 3rd party systems seamlessly with our access control systems.



At a Glance

- Scalable from 20 Doors
- Compatible with GARDiS, EXgarde and MICROgarde controllers
- Available in EXpress and PRO versions
- Track and Trace Reports
- Licensable REST API
- Optional Modules Available on PRO License
- Third-Party Integrations

GARDiS EXpress Software

GARDiS EXpress is ideal for Small Businesses operating on 1 Site with up to 20 Doors and contains all of the Access Control features to manage Access Levels and Reports on Users. Easily upgraded to GARDiS PRO Software to enable additional functionality through Paid Licenses and Integration Modules.

GARDiS PRO Software

GARDiS PRO has all the capabilities of the GARDiS EXpress Software with the opportunity for optional Module Licenses to be added such as Site Lockdown, Fire Door Release, Lift Control, ANPR, Time & Attendance, REST API, and a growing number of additional 3rd Party Integrations.

Product	GARDiS EXpress	GARDiS PRO
TDSi Part Number	4420-3000	4420-3001
Doors	20	20 **
Sites	1	1 **
Organisations	1	1 **
45 Days Event Log	●	●
Unlimited Keyholders	●	●
Single Installation	●	●
IP Lock Service Integration *	-	●
Site Lockdown *	-	●
Fire Door Release *	-	●
Area Occupancy *	-	●
Lift Control *	-	●
ANPR Integration *	-	●
Time & Attendance Integration *	-	●
Milestone Integration License *	-	●
REST API *	-	●
3rd Party Integrations *	-	●
Base Software Support *	●	●
Bespoke Software Support *	●	●

* Requires an Additional Paid License ** Additional Licenses can be purchased



PRO Software Modules

TDSi is committed to delivering high quality Integrated Solutions in partnership with the best manufacturers across the security industry. That's why we carefully select our integration partners in order to provide our customers with a holistic system incorporating complementary technologies that seamlessly integrate via GARDiS, TDSi's own Software Platform.

Additional PRO Licenses Requires GARDiS PRO Software License and Access Control System



Site Lockdown

The Site Lockdown module provides the option to lock defined doors to prevent entry. This can be initiated either using an input button or through the GARDiS Software. This module is particularly useful in protecting people and property in schools, colleges and universities.



Fire Door Release

The Fire Door Release module enables the end user to configure an input to unlock configured Fire Doors when a fire alarm activates, allowing for evacuation of affected areas.



ANPR

The ANPR module allows the end user to recognise Vehicle Number Plates using an ANPR Camera to act as a Reader. The GARDiS Software will allow the end user to add a Car Registration to the system to be used for Access Control through vehicle entrance points.



Area Occupancy

The Area Occupancy module allows end users to monitor the number of people within areas. Additional features include the ability to automatically reset an area or individual's occupancy, and barring access to areas once limits have been reached.



Online IP Locks

IP hubs can communicate back to the GARDiS Software to facilitate authorised entry based on the credential properties. A whitelist is also supported as a backup to loss of IP connection. SimonsVoss or Aperio variants available.

At a Glance

- Site Lockdown
- Fire Door Release
- ANPR
- REST API
- Online IP Locks - SimonsVoss or Assa Abloy Aperio
- Lift Control
- Time & Attendance



Time & Attendance

This module integrates with Thinking Software's RotaOne Shift Management Platform. This allows the end user to simplify shift planning, ensure accuracy of payroll and maximises the efficiency of absence management.



Lift Control

The Lift Control module allows the end user to configure a GARDiS Controller and I/O units with the GARDiS Software to grant floor access within a lift based on access levels.



Visual Verification

This module allows the end-user to select a door and monitor access events. On an access event, it will display details of the event along with a photo of the person which can then be used to verify if the person at that door matches the person's credential information.



REST API

GARDiS Software's REST API makes it easy to add Third Party Integrations to the GARDiS System. Through the REST API Customers and Providers can Integrate 3rd Party Systems such as Active Directory, Suprema Biometric Readers, Milestone, Gamanet C4, Pelco VideoXpert and other market leading CCTV VMS seamlessly with GARDiS.

The REST API works by allowing GARDiS to communicate securely with other Software and Hardware solutions over a Network. Representational State Transfer (REST) is a software architecture which dictates how an Application Programming Interface (API) should work. The API defines certain rules that must be followed to communicate with other Software Systems.



Base Software Support Agreement

Our professional Support Technicians have the expertise required to ensure your satisfaction and the success of your GARDiS or EXgarde System. TDSi delivers comprehensive, high-quality, technical assistance with remote support over the Phone, Email or Dial-in from experienced industry and product experts.

TDSi provides exemplary Customer Support that enhances the effectiveness of your Integrated Access Control System. The Base Software Support Agreement provides up to two hours of Technical Support a month for your GARDiS and EXgarde Software. Support on this plan is available Monday to Friday between 08:30 and 17:00 and is valid for 12 months from the start of the agreement.

The Base Software Support Agreement is only available for systems running the latest version of GARDiS or EXgarde which have 50 doors or less and do not have any Third-Party Integrations.

Additional Services

If the TDSi Base Software Support Agreement is not suitable for your requirements; TDSi can provide a range of bespoke Customer Maintenance and Support Services to meet the demands of your business. These may include a combination of additional services, for example:

- Additional Support Hours
- Software Commissioning
- Software Health Check
- Software Upgrades
- Extended Hardware Warranty
- Specialised/Bespoke Training

Additional Services are available by prior arrangement, via a bespoke Software Support Agreement at an agreed extra cost and dependent on engineer/support personnel availability. To find out more, contact TDSi and a member of our team will be happy to assist you in defining your needs and tailoring an agreement to your exact requirements.



At a Glance

- 2 hours of Technical Support per Month
- Support available Monday - Friday, 08:30 - 17:00 (G.M.T.)
- Valid for 12 Months from agreed commencement Date
- Available over Telephone, Email or Dialed-in Support
- For Systems of 50 Doors or less
- Does not cover Third-Party Integrations
- Must be running the latest version of GARDiS or EXgarde Software



GARDiS browser-based application provides the most cutting-edge software within the market. Accessible through an internet browser, the GARDiS Software doesn't require specialist equipment - providing cost-saving benefits to you. In addition, the reduced requirement for software configuration saves time. User initiated firmware updates are now built-in to the GARDiS Software User Interface to make the update process as straightforward as possible.

GARDiS runs as a service, working autonomously without the need for management. The intuitive nature of the software makes it easy to troubleshoot, reducing the chance of customers incurring call-out costs. Coupled with a reliable and robust design; GARDiS software is a desirable offering that requires minimal training and maintenance. GARDiS PRO has all the capabilities of the GARDiS EXpress software with the opportunity for optional module licenses to be added such as Site Lockdown, Fire Door Release, Lift Control, ANPR, T&A, REST API, and other 3rd party integrations such as CCTV and Time and Attendance.



EXgarde is a fully-featured Access Management PC software application that combines an extremely intuitive graphical user interface, with powerful integration capabilities. Supporting multiple doors as standard and providing the option to extend this with additional door licenses, EXgarde meets the needs of even the largest access control networks. With EXgarde, integration and expansion are achievable outcomes, providing numerous possibilities to integrate with the latest CCTV and biometric technologies.

EXgarde can be used to seamlessly integrate the many aspects of a security and building management system using a single database and a single user interface. All EXgarde application modules can be set up, administered and managed from a single or multiple workstations.

Ease of integration and ease of expansion are key attributes of EXgarde providing numerous possibilities to integrate to the latest CCTV, Fire, Intrusion, Building Automation and Management and Biometric technologies.

Ordering Information

Product	Code
TDSi Base Software Support Agreement - 12 Month	SSA-BASE
TDSi Bespoke Software Support Agreement	Please Enquire

For more information on Software Support Agreements please contact sales@tdsi.co.uk or call +44 (0)1202 723535

GARDiS

Web Embedded Access Control Unit

The user-friendly GARDiS Web Embedded Access Control Unit allows the management of up to 5,000 credentials via an IP address within a Web Embedded platform that requires no dedicated PC or Software installation.

GARDiS Web Embedded Access Control Unit is available in 3 product variations:

- ▲ GARDiS 1: 1-door Master Controller with connections for 1-2* Readers
- ▲ GARDiS 2: 2-door Master Controller with connections for 2-4* Readers
- ▲ GARDiS 4: 4-door Master Controller with connections for 4-8* Readers

Fully Expandable

The GARDiS Web Embedded Access Control Unit is fully expandable. To increase the number of Doors or equipment in the system, extension Controllers must be purchased along with a License Dongle to place into the Master Controller. These License Dongles are available to add additional 10, 20 or 44 Door Licenses.

The GARDiS Access Control Unit operates as the Master Controller that will support up to 10 GARDiS Extension Controllers and/or 10 GARDiS I/O Extension Controllers. The GARDiS I/O Extension Modules allow for an additional 8 inputs and 8 outputs to be added to the Access Control System.

Alternatively, a GARDiS Master Controller can support RS485 Lock Hub controlling a total of 10 SimonsVoss or 10 Assa Abloy Wireless Locks.

Minimal Training

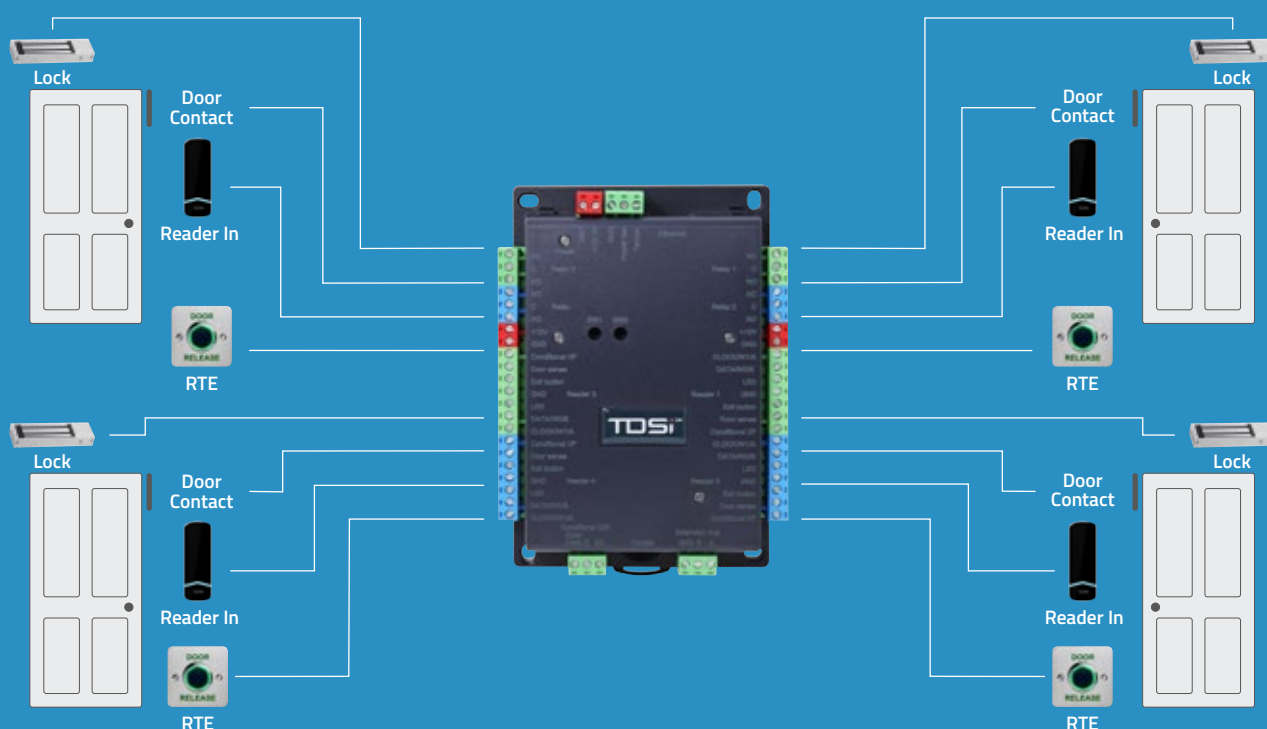
Due to the intuitive design of the GARDiS Web Embedded Controller it means that there is no product specific training required. The controller is operated independently and requires no software installation. The configuration of the access control system is provided to the user via an embedded web server that can be accessed from any compatible web browser on the same network. Operators of the system need to be registered in the Master Controller with a username and password to allow administration of their system.



At a Glance

- Up to 5,000 Users
- Up to 4 Doors per Controller
- Fits up to 10 Wireless Locks - SimonsVoss or Assa Abloy
- 1,000+ Access Groups
- Up to 10 Slave Units per Master Controller
- Multiple Languages Supported
- Compatible with ANSSI and OSDP Level 2 Compliant Readers

System Diagram



Ordering Information

Product	Code
GARDiS G1 - 1 Door Master Controller	5002- 6001
GARDiS G2 - 2 Door Master Controller	5002-6002
GARDiS G4 - 4 Door Master Controller	5002-6004
GARDiS 4 Door Extension Module	5002-6005
GARDiS I/O Extension Module	5002-6006

Product	Code
GARDiS Web10 - 10 Door Dongle	5002-6010
GARDiS Web20 - 20 Door Dongle	5002-6020
GARDiS Web44 - 44 Door Dongle	5002-6006
Assa Abloy Aperio AH30 Wireless Hub	5002-0533
SimonsVoss Smart Intego Wireless Hub	5002-0556

* For the greater number of readers to be used, TDSi Readers (GARDiS, EX Range) need to be installed for the Reverse LRC protocol (In/Out Readers) to take effect.

For more information on GARDiS Web Embedded Access Control Units please contact sales@tdsi.co.uk or call +44 (0)1202 723535



Network Access Control Unit

The GARDiS Network Access Control Unit allows the management of up to 50,000 credentials via an IP address when used with the TDSi GARDiS Software. The GARDiS Controller offers a multitude of features and benefits all available within one product offering. Whether it's a single door access control or 100+ doors, the versatile GARDiS Controller is a compelling product mix due to the design's simplicity and flexible architecture.

GARDiS Web Embedded Access Control Unit is available in 3 product variations:

- ▲ GARDiS 1: 1-door Master Controller with connections for 1-2* Readers
- ▲ GARDiS 2: 2-door Master Controller with connections for 2-4* Readers
- ▲ GARDiS 4: 4-door Master Controller with connections for 4-8* Readers

Greater Scope and Flexibility

For systems that require greater than 5,000 credentials or multiple network sites, the same hardware in the Web Embedded Controller can be installed and commissioned together with the new GARDiS software platform, available in EXpress or PRO options. This not only increases the credential value to 50,000, but it also allows for greater scope and flexibility for your customers' site.

Offering a 5-year warranty and hassle-free installation the GARDiS Network Controller is a truly flexible product to have available in your product portfolio. It has been designed using the latest technologies available and industry expert feedback. Developed with native IP, that allows for real time communication and updates within the hardware, any changes that a user makes is actioned instantaneously within the communication protocols.

Avoid Disruption

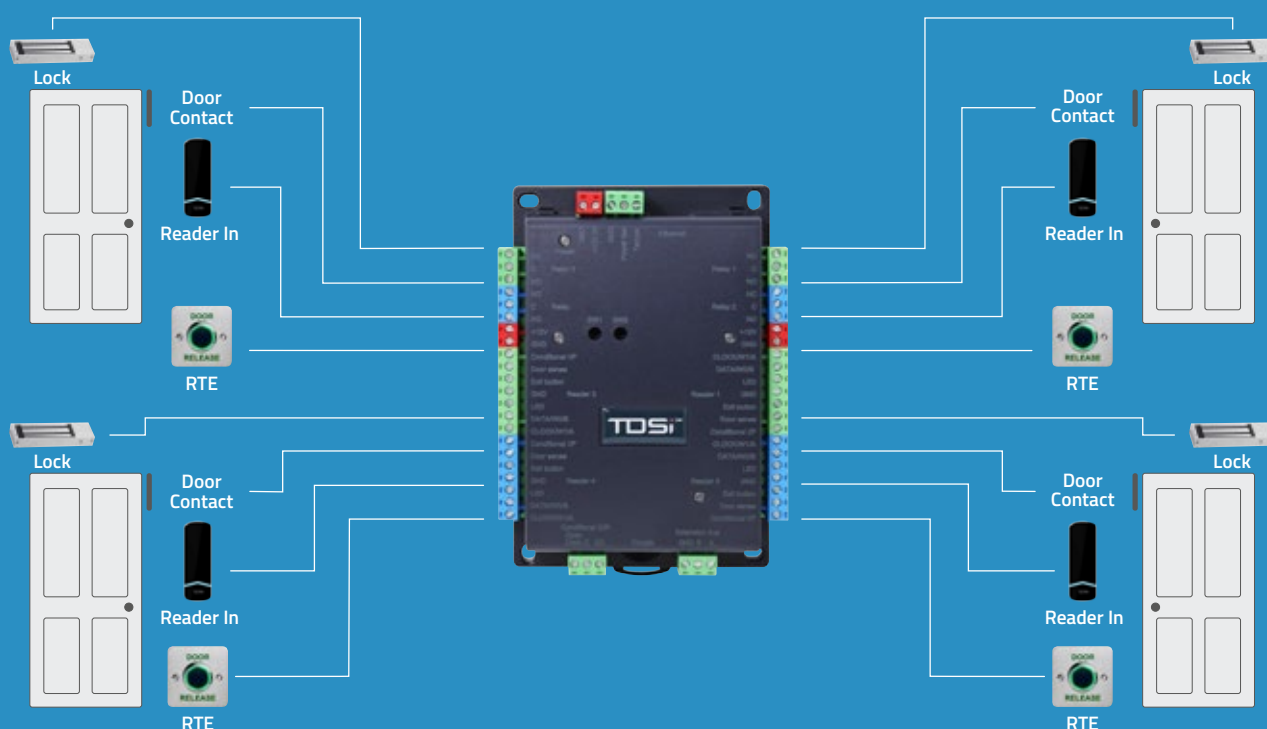
When specifying a GARDiS Network Access Control Unit or Web Embedded Access Control Unit you can also utilise a GARDiS Power Supply, which comes as standard in a fully monitored metal box with a mechanical key lock to prevent unauthorised access and a visible power status indicator. The 5A power supply includes 5 x 1A individual fused outputs, along with space for 2 x 12V 7A trickle charged backup power batteries for continued operation during power disruption. The power supply is also available as a DIN Rail mounted 12V 3A single output PoE variation.



At a Glance

- Up to 50,000 Users or 100,000 with an Enterprise Controller
- Works alongside GARDiS EXpress or PRO Software
- Fits multiple Wireless Locks - SimonsVoss or Assa Abloy
- 1,000+ Access Groups
- Up to 10 Slave Units per Master Controller
- Multiple Languages Supported
- Compatible with ANSSI and OSDP Level 2 Compliant Readers

System Diagram



Ordering Information

Product	Code
GARDiS G1 - 1 Door Master Controller	5002- 6001
GARDiS G2 - 2 Door Master Controller	5002-6002
GARDiS G4 - 4 Door Master Controller	5002-6004
GARDiS 4 Door Extension Module	5002-6005
GARDiS I/O Extension Module	5002-6006

Product	Code
GARDiS PRO Software	4420-3001
GARDiS EXpress Software	4420-3000
Base Software Support Agreement	SSA-BASE
Assa Abloy Aperio AH30 Wireless Hub	5002-0533
SimonsVoss Smart Intego Wireless Hub	5002-0556

* For the greater number of readers to be used, TDSi Readers (GARDiS, EX Range) need to be installed for the Reverse LRC protocol (In/Out Readers) to take effect.

For more information on GARDiS Network Access Control Units please contact sales@tdsi.co.uk or call +44 (0)1202 723535

EXpert

Two or Four Door Access Control Unit

A fully-featured networkable Access Control Unit, the EXpert Controller boasts a high specification with supervised inputs and relays making it suitable for monitoring and signalling alarm conditions.

With a capacity for up to 47,000 cards, this product is suitable for applications that need to control large numbers of people through access points, such as within the education, leisure, and transport sectors.

Flexible Configuration

The expansion capability of this versatile controller enables the access control system to be expanded upon at a later date. EXpert is the ideal platform for those who demand the most from an access control system.

EXpert controllers can be connected in a master/slave configuration. Up to 7 slave units can be connected to each master controller allowing complete autonomous control of up to 16 doors in one sub-system. This can be programmed either through use of our GARDiS access management software or the optional EXkeypad which allows the controller to be operated in true standalone mode.

Expandability

Each EXpert Controller is expandable in two ways; It can be fitted with one of two types of Expansion Card:

- ▲ EXpander2 - adds 2 Doors, Readers, Inputs and Relays
- ▲ EXin/out - adds 16 relays and 32 inputs

It can also be linked via RS-485 to EXpert Slave Controllers:

- ▲ Creating a sub-system of up to 16 Doors and Readers
- ▲ Reducing the cost per door in large systems and providing antipassback across 16 Reader clusters

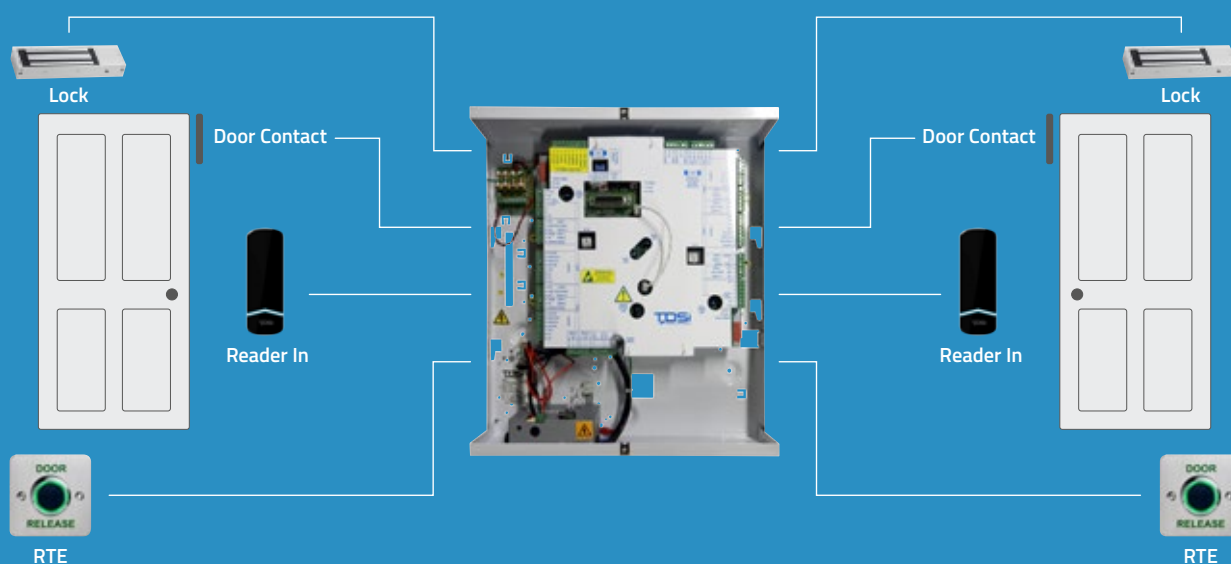
EXpert Master Controllers are available with a TCP/IP Port allowing direct connection to the IT network infrastructure which offers maximum convenience during installation and commissioning.



At a Glance

- Up to 47,000 Users
- Up to 4 Doors Per Controller
- Numerous Expansion Options
- Operates with TDSi or 3rd Party Readers
- Connect Directly to your Network via TCP/IP
- Flexible Communication Options
- Works with GARDiS and EXgarde Software

System Diagram (EXpert 2)



Ordering Information

Product	Code
EXpert2 - 2 Door Master Controller	5002-3012
EXpert4 - 4 Door Master Controller	5002-3032
EXpert2 Slave Door Controller	5002-3042
EXpander2 Slave (2 Readers + Fixing Kit)	5002-3063

Product	Code
EX In/Out	5002-3060
EX Out	5002-3062
EX Keypad	5002-2070

For more information on EXpert Access Control Units please contact sales@tdsi.co.uk or call +44 (0)1202 723535

EXCEL⁴

Four Door Access Control Unit

The EXcel4 controller is a versatile, networkable access control unit that is a cost-effective solution to the access control and integrated security requirements of today.

Featuring supervised inputs and relays, these versatile controllers make it suitable for monitoring and signalling alarm conditions, as well as integration with intruder alarms and building management systems.

The EXcel4 controller provides the building blocks for mid to large-size and single or multi-site access control system networks.

Avoid Disruption

The EXcel4 controller operates on a distributed intelligence principle in that all of the system parameters are retained within each controller. So even if the network connection is lost, the controller will continue to operate and make access decisions providing maximum security and giving you peace of mind.

EXcel4 also has an in-built TCP/IP port as standard to allow connection directly to the IT network, simplifying installation and commissioning.

Prevent Your System Being Cheated

The prevention of tailgating and piggybacking (in other words, cheating or outsmarting the system) is a problem many existing access control solutions do not sufficiently address.

The EXcel4 controller offers an interlock feature, which prevents one door from opening before another door has been closed across a single controller. This is sometimes referred to as an 'air lock'.

This feature ensures that every individual has properly presented a valid ID or successfully cleared biometric identification and can be applied in a number of different applications, particularly to help control and manage authorised access in highly secure areas or where capacity is limited.

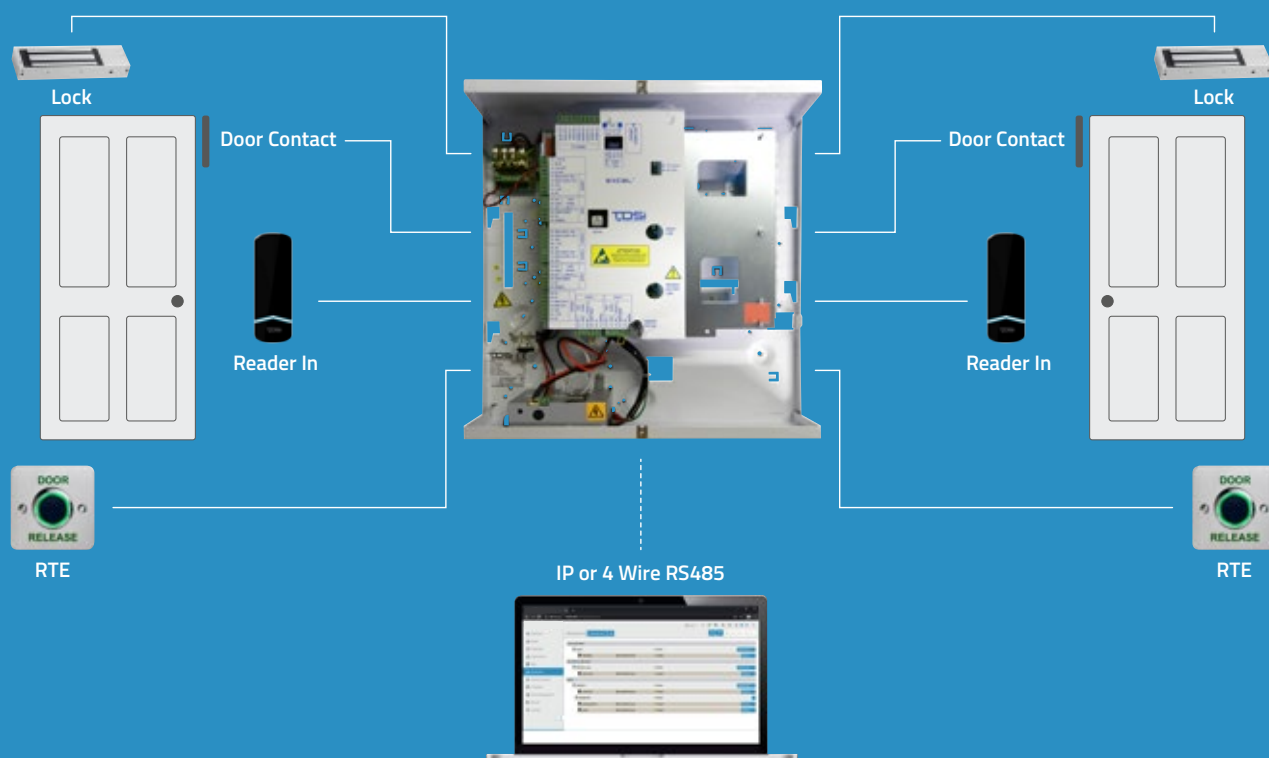


At a Glance

- Up to 18,000 Users
- Up to 4 Doors Per Controller
- Cost-effective 4 Door Network Controller
- Operates with TDSi or 3rd Party Readers
- Connect Directly to your Network via TCP/IP
- Air Lock Functionality to Manage Movement of Individuals
- Works with GARDiS and EXgarde Software

EXcel4 Controllers also have the ability for on-board supervised Input and Output Relays. This makes them suitable for monitoring and signalling alarm conditions, or for integration with Intruder Alarm, Fire, Lighting, Heating, and Building Management Systems.

System Diagram



Ordering Information

Product	Code
EXcel4 - 4 Door Master Controller	5002-3092
EXcel4 Assy - Door Control Panel Spare PCB Assembly	5002-3032

For more information on EXcel4 Access Control Units please contact sales@tdsi.co.uk or call +44 (0)1202 723535

microgarde

Two Door Access Control Unit

MICROgarde is a cost-effective networkable Access Control Unit that offers the advantages of central control and event reporting.

MICROgarde is also available as a Starter Kit, providing an easy way of ordering the essential items for your installation - simply add the 5A Power Supply and Door Furniture. MICROgarde's ease of installation, reduced cost of ownership and competitive pricing make it simply the best value and most practical access control solution available.

Choose The Options That Suit You

Available as a two Door Access Control Unit, with TCP/IP or a 5A power supply unit, MICROgarde offers unrivalled flexibility.

MICROgarde provides support for In and Out Readers on a single reader channel, when used in conjunction with TDSi Readers – enabling a single MICROgarde II Controller to support up to four readers.

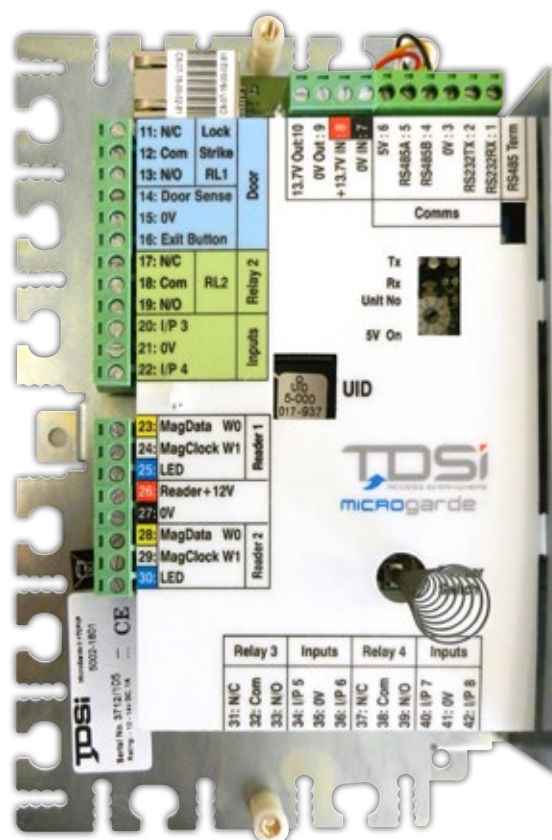
If you need more inputs and outputs for interfacing with, for example, intruder panels or building management systems, then an optional I/O module is available which is fitted within the case.

Works With Your Existing Networks

MICROgarde IP connects directly to any local area network (LAN) or wide area network (WAN). Based on the proven and successful range of MICROgarde door controllers, MICROgarde IP offers all of the benefits that you find with MICROgarde, plus the convenience of IT network connectivity.

A built in RS485 converter means that you no longer have to stock or fit a separate device. MICROgarde is also clever enough to resolve issues with the cables of the RS485 network being incorrectly wired.

Put quite simply, even if your application is a single door with a handful of card users, there will be a MICROgarde based solution that is suited to you – one that delivers security, protection, low cost of ownership and a high return on your investment.



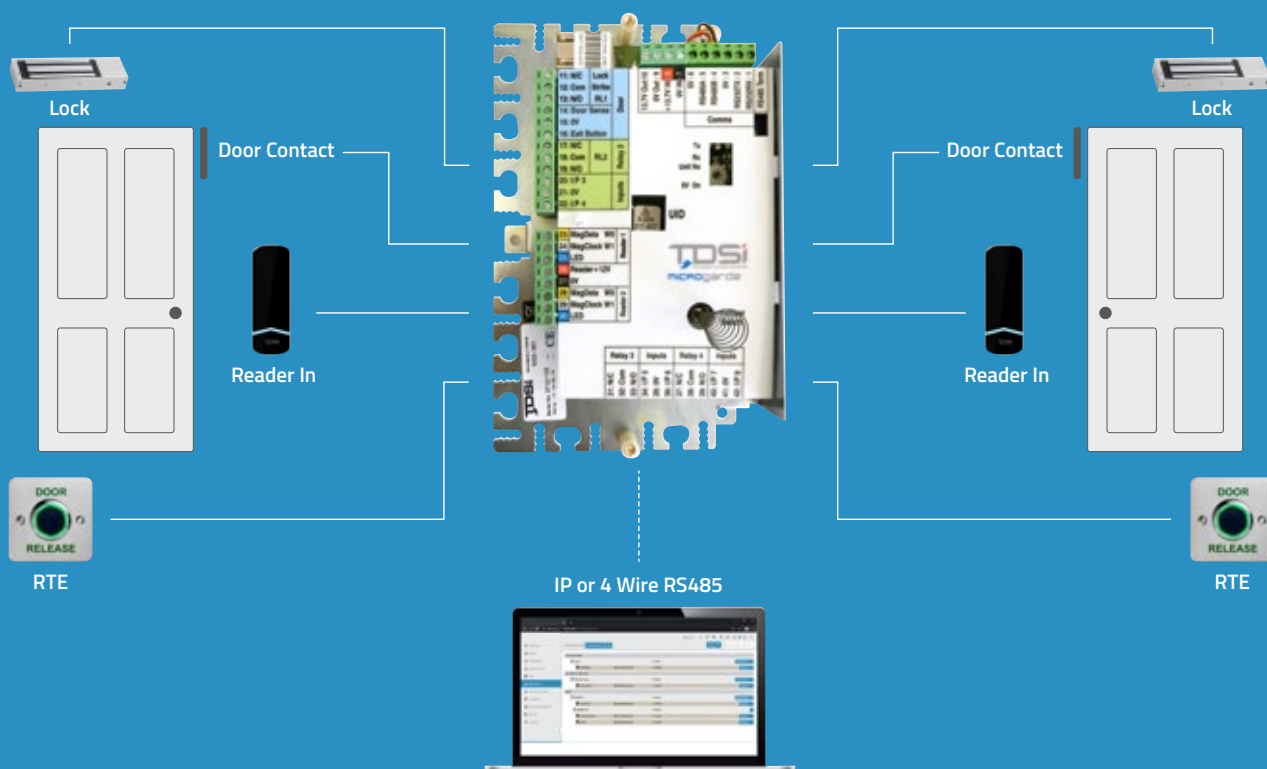
At a Glance

- MICROgarde II - Up to 25,000 Users
- Flexible System Design
- Use With TDSi or 3rd Party Readers
- Simple Installation
- Monitor Users' Movements Through Configurable Reports
- IP Version Allows Direct Connection to an IT Network
- Additional I/O Module Available

More Than Just a Controller

All controllers feature Distributed Intelligence (which is battery packed), meaning the Controller operates and makes decisions even when communications to the host PC is lost. In this situation, events are stored within the controller until such time as communication is restored. Stored events will be uploaded to the host PC with no loss of transaction data.

System Diagram



Product	Code	Product	Code
MICROgarde II + IP 2 Door Controller	5002-1801	MICROgarde Input / Output	5002-1811
MICROgarde II + IP + PSU 2 Door ACU	5002-1807	MICROgarde TCP / IP	5002-1812
MICROgarde II + IP + PoE 2 Door ACU	5002-1814	MICROgarde IP Demo Case	5002-1921

For more information on MICROgarde Access Control Units please contact sales@tdsi.co.uk or call +44 (0)1202 723535

SOLOgarde

Standalone Access Control Unit

SOLOgarde is a Standalone Access Control Solution that provides both Installers and Users an Access Control System that is convenient and easy to set-up and operate. The control unit is mounted on the secure side of the door and is separate to the reader providing maximum security.

SOLOgarde is programmed using card packs that are available in various denominations. A simple hand-held programming tool negates the need for shadow cards to be retained, making administration and management of the system simpler.

Managing Your Users

A benefit of electronic access control over traditional methods ensures that access can be only granted when specified. By connecting a timer, SOLOgarde offers a simple time grouping feature that can allow groups of users through the door during certain times, so a higher level of security can be implemented outside of normal working hours for example.

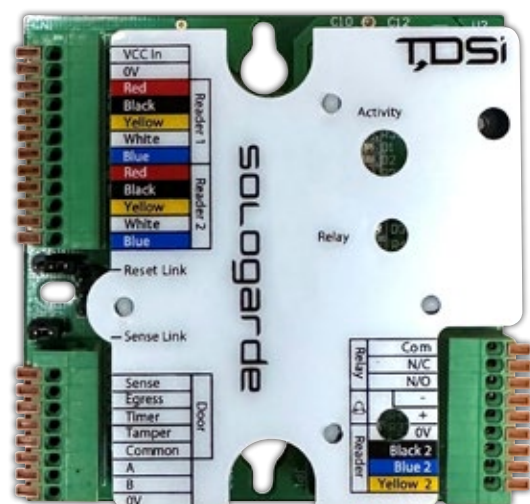
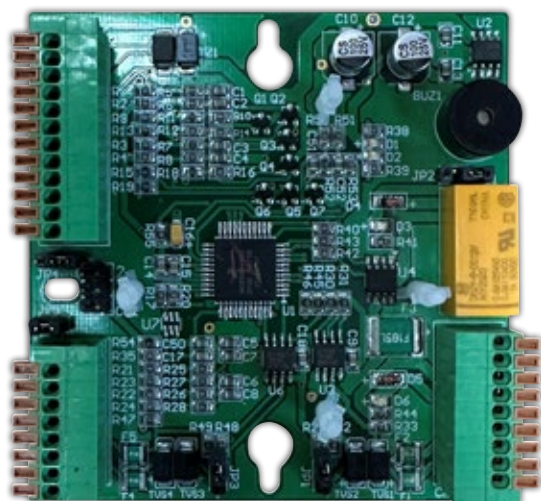
Operating Your System

The handheld programmer features some useful fault-finding aids that can be used to quickly pin-point problems associated with the inputs, outputs, supply voltage, and internal faults. This minimises down-time should a problem develop. The flash upgradeable processor allows you to keep the product up-to-date with the latest improvements that we make to the product.

TDSi understands that a networked solution is not always the best choice, particularly if cost is of particular consideration. Where traditional locks and keys are no longer suitable, SOLOgarde offers features and advantages that can be gained from an electronic access control system presented within a simple stand-alone solution.

Choose The Option That Suits You

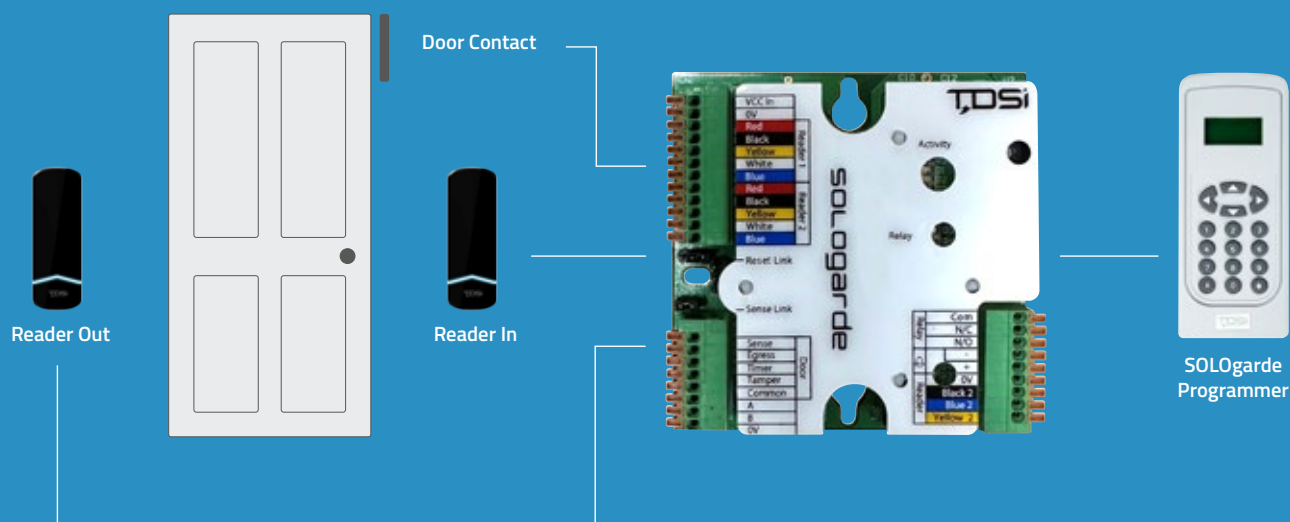
SOLOgarde is designed to operate with TDSi's proximity or MIFARE readers so you can choose the most suitable technology for your application. There is also the option of card, or PIN or both, providing increased security options if required.



At a Glance

- 1 Door Controller
- Up to 1,000 Users
- Flexible System Design
- Use With TDSi or 3rd Party Readers
- Simple Installation
- Minimal Training Required
- USB for Handheld Programmer Connection

System Diagram



Ordering Information

Product	Code
SOLOgarde Controller	5002-4000
SOLOgarde Programmer	5002-4001
SOLOgarde Reader	5002-4003
SOLOgarde Starter Kit*	5002-4002
SOLOgarde Demo Case	4165-3121

Product	Code
SOLOgarde 10 Card Pack	2920-3020
SOLOgarde 25 Card Pack	2920-3021
SOLOgarde 50 Card Pack	2920-3022
SOLOgarde 25 Fob Pack	2920-3023

* Starter Kit contains Controller, Reader and 25 MIFARE Cards

For more information on SOLOgarde Access Control Units please contact sales@tdsi.co.uk or call +44 (0)1202 723535

Readers

Readers are an essential part of secure access control systems. For this reason, TDSi has been talking extensively with our customers, end-users and partners to develop intuitive products that meet the demands of real-world installations.

It's easy to configure our Readers for your specific project requirements, with features such as different security technologies, keypads and orientation configurable within many of our Reader Ranges for ultimate flexibility. Our Readers use the latest technology whilst recognising the need for straightforward installation; they're easy to operate and impervious to heavy use, weather and climate conditions.



GARDiS Readers

The GARDiS Readers are high-quality Access Control Card Readers that provide robust and reliable performance through contactless technology. The cost-effective and aesthetically pleasing reader range is an ideal security component for both large and small installations. Housed in a durable and versatile plastic, the full encapsulated design provides maximum protection against water ingress, making it suitable for internal and external installations.

GARDiS Readers are available in any combination of the following:

- Mullion or Square
- Keypad or Non-keypad
- Proximity, MIFARE, MIFARE PLUS, DESfire, NFC



GARDiS Bluetooth Low Energy Readers

GARDiS Bluetooth Low Energy (BLE) Readers bring the access badge to your Smartphones working alongside, extending or replacing traditional RFID access credentials. Available in Square and Mullion variations, the patented technology allows the card mode and the 5 smart identification modes to interact with access points depending on the distance.

Identification Modes include:

- Card Mode
- Remote Mode
- Slide Mode
- Hands-free Mode
- Tap Tap Mode
- Voice Control Mode



Panel Mount Reader

Panel Mount is a versatile, Square Reader for door entry panels. Fully encapsulated, the Panel Mount is designed to suit harsh environments such as high humidity/condensation and extreme temperatures that can be experienced inside a door entry panel.

Audio and visual indication is provided by an integral sounder and a bi-coloured LED which is controllable. Panel Mount can also be mounted inside a standard surface electrical back box making it ideal for concealed installations.

Available in the following technology formats:

- Proximity
- MIFARE CSN/Sector
- DESfire



EXprox Readers

EXprox Readers are high-performance, contactless proximity readers, designed to be mounted in a standard electrical back box, for a neat and simple installation.

These high-quality, Access Control Card Readers provide robust, reliable performance through contactless technology for a wide range of applications. With a read range up to 15cm, these fully-featured readers are available in a number of options for maximum design flexibility.

EXprox Readers are available in any combination of the following:

- Mullion or Square
- Vandal Resistant (VR) or Robust Plastic



EXsmart Readers

High-performance, contactless MIFARE Smart Card Reader. Designed to be mounted in a standard electrical back-box, the fully encapsulated design provides maximum protection against water ingress making it suitable for use indoors and out. Integral LEDs and sounder give the user unambiguous audible and visual indication of card reads and access status. All readers are supplied with a choice of covers allowing the look of the reader to be changed to suit its surroundings.

Readers are available in the following configurations:

- Keypad or Non-keypad
- MIFARE CSN or Sector 4



Enrolment Readers

The Enrolment Readers provide an easy to use method of enrolling cards onto your Access Control Management System. The reader utilises a USB connection to make it simple to use on the PC, simulating keyboard entry when a card is presented to the Reader. As a result, simple data entry means there is no need to manually enter a card number, the card can just be shown to the Reader.

Enrolment Readers are available in the following Formats/Configurations:

- Proximity and Sector 4 (Dual-Tech)
- TDSi MIFARE DESfire
- Proximity and MIFARE CSN (Dual-Tech)



Energy Saving Switch

Our Energy Saving Switches give commercial and public building operators the ability to make significant energy and cost savings. Drawing on proven technology, the intelligent Energy Saving Switches incorporate a Proximity or MIFARE Reader.

Only when a specific card has been recognised, does the unit allow the electrical circuit to be completed, thereby allowing lights and other equipment to operate.

The product also features a 30 second time delay, so that once the card is removed, lights remain on for a period, allowing occupants to comfortably vacate the room.

End Users

TDSi has installed access control and integrated security systems of all shapes and sizes. Developed with the needs of users and building managers at the forefront, our range delivers secure, robust, and cost-effective access control, as well as powerful integration capabilities with a range of building management systems - including CCTV, intruder and fire alarms, lift control and energy management systems.

Healthcare



Our integrated solutions have been used in both new-build and refurbishment projects, providing reliable access control for hospitals, surgeries, and healthcare premises.

Access control in the healthcare sector is a vital component for reducing risk. This includes attacks on staff, restricting access to hazardous areas and monitoring patient movements. Where high standards of hygiene are a necessity, TDSi also offers contactless technologies, including Bluetooth readers to reduce the risk of infections and/or virus spreading.

Education



The protection of students & staff is at the forefront of security decisions in the education sector. Due to budgetary restrictions, many educational establishments have limited resources for "manned" security. Any access control solution needs to consider the limited human resource and enable staff to rely on its effectiveness.

Unauthorised intrusions, assaults and equipment theft are common risk factors in this area. Maintaining the security and safety of students and staff is the highest priority.

Commercial



TDSi systems provide a wide range of secure, reliable, and robust office access control systems. Installed in small offices and multi-site projects across the world, our systems deliver benefit to designers, installers, system integrators and users alike.

With a range of flexible, future-proof, scalable solutions available, TDSi systems can be used in either stand-alone mode or as part of an integrated network, with the scope of the system tailored to meet the needs of each project.

Government



Recognising the need for high-security access control systems, TDSi has developed an intuitive product range for both stand-alone departments/ buildings and multi-site organisations.

Our range of scalable and flexible products encompass readers, controllers and software, with the option of biometric systems for added security or the integration capabilities of an access management software suite. TDSi systems continue to be used in both local and national government applications, delivering powerful security and integration control capability.



Industrial

Industrial facilities have very specific security needs, from excluding trespassers to limiting access to dangerous or sensitive areas and ensuring the safety of lone workers. These functions rely upon many different systems including; CCTV, security alarms and controlled doorways.

TDSi works with industrial producers and manufacturers to guard against intruders, protect and track assets, maintain a comprehensive security audit trail, protect lone workers, and can even help to save energy by intelligently controlling heating and ventilation systems.



Utilities

From energy suppliers to water and waste management companies, TDSi supplies a range of access control systems, each uniquely suited to the needs of the individual utility supplier.

For securing individual buildings as well as multiple sites and often remote locations, we have a range of products to suit a host of applications. TDSi's proven experience in this sector is demonstrated across the globe in a wide variety of sites, including many high-security applications.



Transport

With high levels of protection demanded throughout the transportation sector, our integrated access control systems balance the needs of passengers who require fast access and minimal disruption to their journey, with operators who need to provide safe and secure transport services.

Our products are proven in some of the world's largest ports, railway networks, terminals, freight, and distribution centres and are at the heart of many prestigious infrastructure projects.



Sports & Leisure

Sports and leisure infrastructures are well known for attracting high numbers of visitors each year. Strict security measures are essential for tackling everyday challenges such as the safety of staff members, restricting access to designated areas and keeping people and property safe.

TDSi's robust and flexible systems can be used in stand-alone applications or across multi-site operations for both staff and visitors according to the needs of each project.



Financial

The convergence of technology, innovation and security risks are rapidly changing the financial security ecosystem. However, physical access control security still plays a major role in preventing security breaches.

Being able to control access and security from a central location is highly beneficial for any banking organisation. TDSi's solutions can cater to the numerous demands of the banking and finance industries, whilst respecting the need to provide value for money and return on investment.

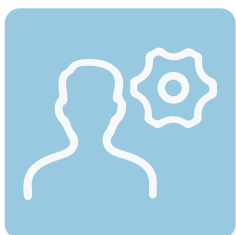
Additional Resources



Free Installer Training

We offer carefully designed, practical training courses for all installers to ensure they are equipped with the knowledge and expertise needed to efficiently install, maintain and upgrade TDSi products.

Please visit tdsi.co.uk/training or email sales@tdsi.co.uk for more details and to book your course.



Technical Support

Our experienced pre and post-sales support teams provide high levels of technical expertise to customers worldwide. With telephone-based support and on-site technical assistance, our services cover a range of project needs including design, commissioning and operation of our Access Control Systems. For more information please visit our website, or contact support@tdsi.co.uk.



Sales Literature

TDSi provide an extensive range of brochures and sales guides to support you every step of the way, from sales to the specification of your project. All documentation is available to download from our website.



Case Studies

For insight into how your site and/or sector can benefit from the installation of a TDSi access control system, we have numerous case studies available for your perusal. All documentation is available to download from our website.



Integrations

As one of the UK market leaders in access control, TDSi's integrated access control systems provide flexible, scalable and future-proof solutions for a wide range of applications across the public and private sectors. We do this by working with quality manufacturers to make the best solutions available to you. Visit our website to find out more.



Installers

All of our authorised installers have been Trained by our Industry Experts to ensure that our products are sold and installed with the greatest knowledge and expertise. They will help you to find the best solution for you and your building. Please email sales@tdsi.co.uk for more details.

TDSi^{UK}




Cutting Edge GARDiS Readers

Designed to meet the demands of real-world installations, GARDiS Readers are easy to install and operate. They're available in a range of Technologies so it's easy to find the perfect solution for your project

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