TDSi UK

INNOVATE·INTEGRATE·INSPIRE

Integrated
Security Solutions
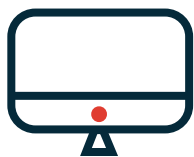
Delivering Peace of Mind

CELEBRATING
40
YEARS
1982 - 2022

Contents

Introduction

Robust and reliable access control systems manufactured by world-renowned security specialists TDSi for the last 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, offering 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 restricts 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

The Access Control Ecosystem

Controllers

Readers

CCTV

Software

YOUR INTEGRATED ACCESS CONTROL & SECURITY SOLUTION

Card & Fobs

Turnstiles

Lift Control

Integrations

GARDiS Software

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.

Simplicity and Peace

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 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, EX and MG controllers
- Available in EXpress and PRO
- Track and Trace Reports
- Licensable REST API
- Optional Modules Available on PRO License
- Third-Party Integration

GARDiS EXpress
Contains all of the access control features to manage access levels and reports on users.

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 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*	-	

* Requires an additional paid license
** Additional licenses can be purchased

GARDiS 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 Available to purchase with a GARDiS PRO Software license.

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.
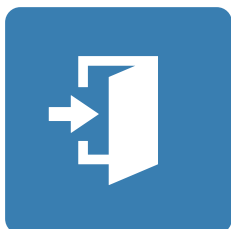
Fire Door Release

The Fire Door Release module enables the end user to configure an input to unlock configured fire doors when a fire alarm activates.

ANPR

The ANPR module allows the end user to recognise vehicle number plates in collaboration with the Hikvision ANPR camera acting 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.

At a glance

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

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.

REST API

Our REST API allows customers and providers to integrate 3rd party systems such as Milestone, Gamanet C4, Pelco Video Expert and other market leading CCTV VMS seamlessly with our systems.

Time and 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.

Visual Verification

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

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.

GARDiS Web Embedded Controller

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

GARDiS Web Embedded Controller 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 Controller 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 in 10 / 20 / 44 door licenses.

The GARDiS controller 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, the GARDiS Master Controller can support 10 RS485 Lock Hub's with 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 or 100,000 with an Enterprise Controller
- 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

Ordering Information

Product	Part Number
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
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 the GARDiS Web Embedded Controllers please contact *sales@tdsi.co.uk.*

GARDiS Network Controller

The GARDiS Network Controller 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 Network Controller 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 Controller you can also utilise the GARDiS power supply. This comes as standard, supplied 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.

There is also space for 2 x 12V 7A backup power batteries that are trickle charged via the PSU to allow continued operation during power disruption. The power supply is also available as a PoE variation as 12V 3A single output. This is mounted via the DIN rail assembly.

At a glance

- Up to 50,000 Users
- Works alongside GARDiS EXpress or PRO Software
- 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

Ordering Information

Product	Part Number
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
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 the GARDiS Network Controllers please contact *sales@tdsi.co.uk.*

EXpert Controller

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 2 ways. It can be fitted with 1 of 2 types of expansion card:

- EXpander2 which adds 2 doors, readers, inputs and relays

- EXin/out which 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. This 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

Ordering Information

Product	Part Number
EXpert2 - 2 Door Master Controller	5002-3012
EXpert4 - 4 Door Master Controller	5002-3032
EXpert2 Slave Door Controller	5002-3042
EXpander2 Slave PCB for 2 Readers + Fixing Kit	5002-3063
EX In/Out	5002-3060
EX Out	5002-3062
EXkeypad	5002-2070

For more information on the EXpert Controllers please contact *sales@tdsi.co.uk.*

EXcel4 Controller

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.
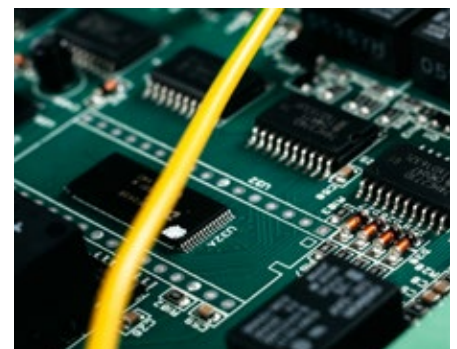
At a glance

- 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

Integrate Between Systems Direct From Your Controller

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.
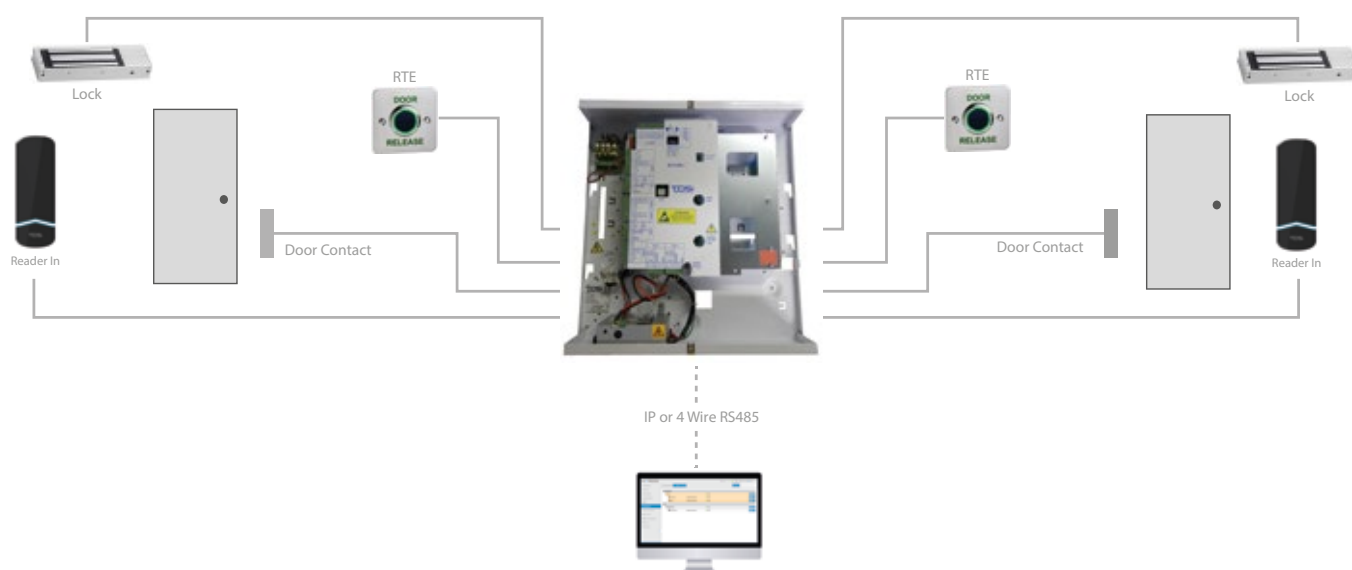
Ordering Information

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

For more information on the EXcel controllers please contact *sales@tdsi.co.uk.*

MICROgarde Controller

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 in one or two-door versions, with TCP/IP or a 5A power supply unit, MICROgarde offers unrivalled flexibility.

The 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.
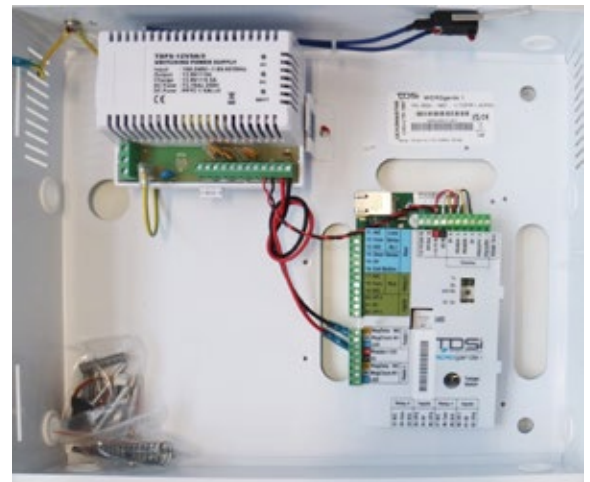
More Than Just a Controller

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.

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 I - Up to 30,000 Users
- MICROgarde II - Up to 25,000 Users
- Flexible System Design with 1 or 2 Door Controllers
- Use With TDSi or 3rd Party Readers
- Simple Installation
- Monitor Users' Movements Through Configurable Reports
- IP Version Allows Direct Connection to an IT Network

Lock

IP or 2 Wire RS485

Reader In

Reader Out
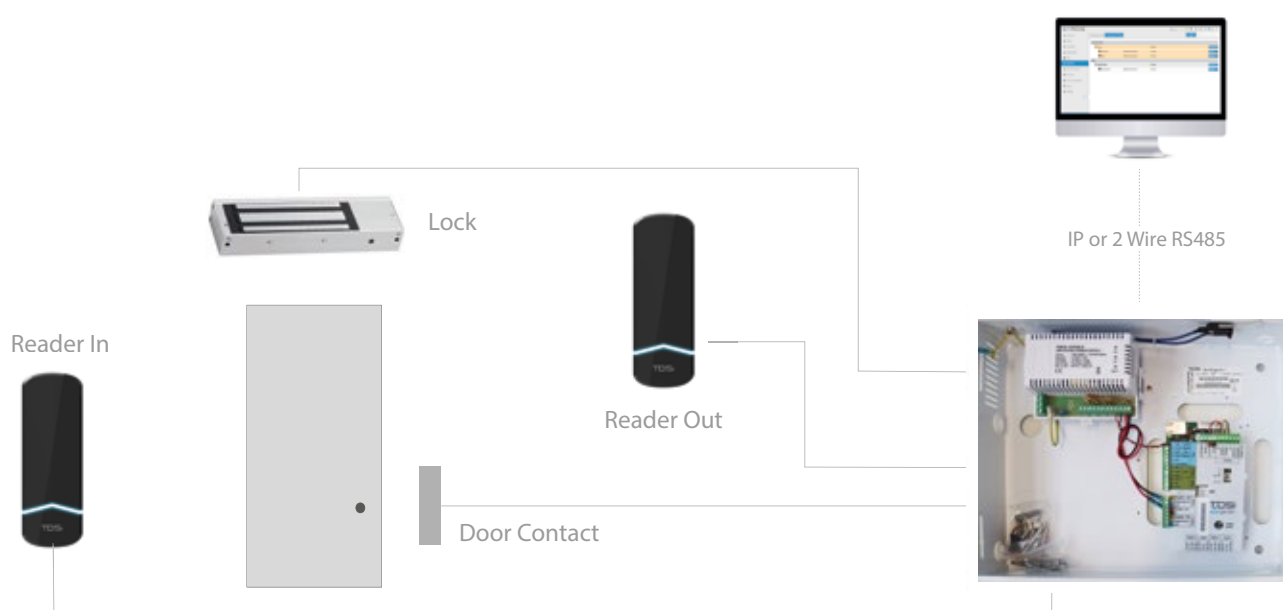
Door Contact

Ordering Information

Product	Part Number
MICROgarde I + IP 1 Door Controller	5002-1901
MICROgarde I + IP + PSU 1 Door Controller	5002-1907
MICROgarde I + IP + PoE 1 Door Controller	5002-1914
MICROgarde II + IP 2 Door Controller	5002-1801
MICROgarde II + IP + PSU 2 Door Controller	5002-1807
MICROgarde II + IP + PoE 2 Door Controller	5002-1814
MICROgarde Input / Output	5002-1811
MICROgarde TCP / IP	5002-1812
MICROgarde IP Demo Case	5002-1921

For more information on the MICROgarde Controllers please contact *sales@tdsi.co.uk.*

SOLOgarde Controller

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. However, 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.
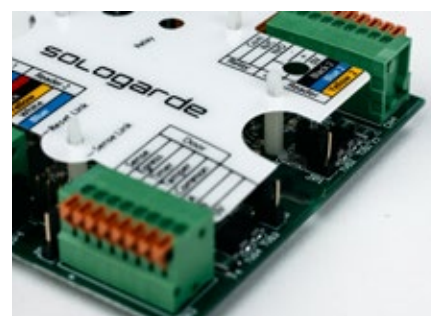
At a glance

- 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

Door Contact

SOLOgarde
Programmer

Reader In

Reader Out
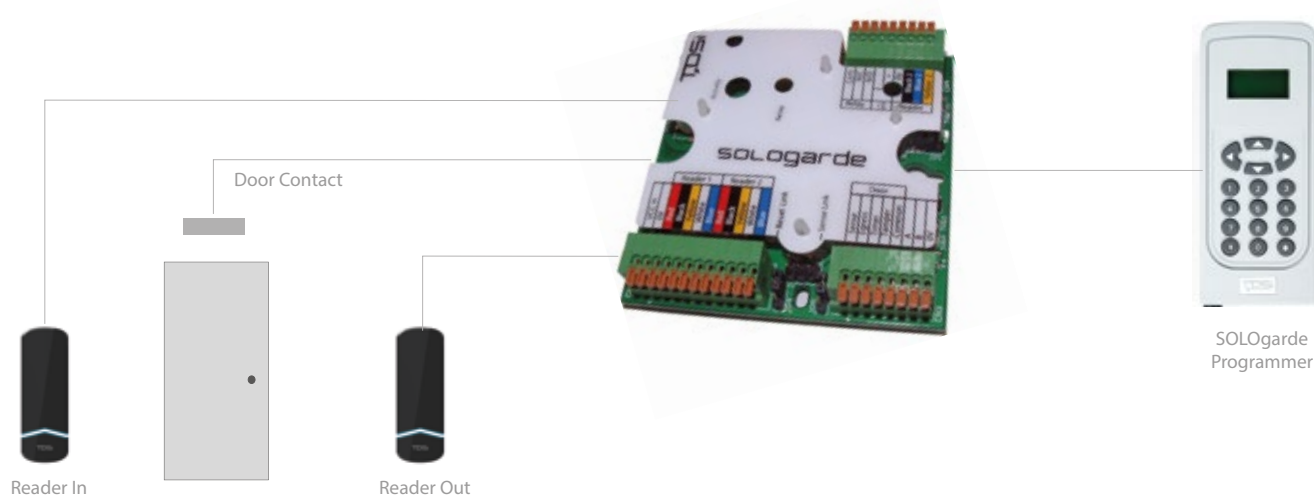
Ordering Information

Product	Part Number
SOLOgarde Controller	5002-4000
SOLOgarde Programmer	5002-4001
SOLOgarde Reader	5002-4003
SOLOgarde Starter Kit - Controller, Reader and 25 MIFARE Cards	5002-4002
SOLOgarde Demo Case	4165-3121
SOLOgarde 10 Card Pack	2920-3020
SOLOgarde 25 Card Pack	2920-3021
SOLOgarde 50 Card Pack	2920-3022
SOLOgarde 25 Fob Pack	2920-3023

For more information on SOLOgarde Controllers please contact *sales@tdsi.co.uk.*

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.

Although our readers use the latest technology, the need for straightforward installation has not been compromised. Our reader range is easy to operate, whilst being impervious to heavy use, weather and climate conditions. We have retained some of the more basic elements, such as the shape/size of the reader which had proven to be of high importance to our customers.

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
- Proximity, MIFARE, MIFARE PLUS, DESfire, NFC
- Keypad or non-keypad

GARDiS Bluetooth Low Energy Readers

The GARDiS Bluetooth Low Energy (BLE) Reader brings 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

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 either 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.

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.

The readers are available in the following formats / configurations:
- Proximity and Sector 4 (Dual-Technology)
- Proximity and MIFARE CSN (Dual-Technology)
- TDSi MIFARE DESfire

EXprox Readers

EXprox Readers are high-performance, contactless proximity readers, designed to be mounted in a standard electrical back box, making 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.

The readers are available in any combination of the following:
- Mullion (EXprox) or Square (EXprox2)
- Vandal Resistant (VR) or Robust Plastic

EXsmart Readers

EXsmart Readers are a high-performance, contactless MIFARE smart card reader. Designed to be mounted in a standard electrical back-box making for neat and simple installation. The fully encapsulated design provides maximum protection against water ingress making it suitable for mounting both indoor and out. The integral LEDs and sounder gives 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.

The readers are available in the following:
- Keypad or non-keypad
- MIFARE CSN or Sector 4

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.

Common risk factors found by installers and M&E contractors are unauthorised intrusions, assaults and equipment theft. 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 Information

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.

For more information please visit our website, or contact sales@tdsi.co.uk.

Technical Support

Our experienced pre and post-sales support teams provide high levels of technical expertise to customers worldwide. With telephone-based support as well as on-site technical assistance, our services cover a whole range of project needs including design, commissioning and operation of our door 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.

Distributors

ADI Global Distribution
0161 767 2900
adiglobal.co.uk

Advanced Access Ltd
01604 647 555
advanced-access.co.uk

Anixter
01344 388100
anixter.com

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.

To find out more, please contact our sales team sales@tdsi.co.uk.

Enterprise Security
0207 732 3826
enterprisesecuritydistribution.com

Norbain SD Ltd
North: 01254 894 488
South: 0118 912 5000
norbain.co.uk

Oprema
0292 0644509
oprema.co.uk

Product List

Software

GARDiS Software

GARDiS Express Software	4420-3000
GARDiS PRO Software	4420-3001
GARDiS Express Upgrade	4420-3002

GARDiS PRO Licenses

Add 1 Door License to GARDiS PRO Software	4420-3003
Add 2 Doors License to GARDiS PRO Software	4420-3004
Add 10 Doors License to GARDiS PRO Software	4420-3006
Add 20 Doors License to GARDiS PRO Software	4420-3007
Add 50 Doors License to GARDiS PRO Software	4420-3008
Additional Site License to GARDiS PRO Software	4420-3009
Additional Organisational License to GARDiS PRO Software	4420-3010

GARDiS Module Licenses

Site Lockdown License	4420-3020
Fire Door Release License	4420-3025
ANPR Camera Integration	4420-3026
Lift Control License	4420-3027
Area Occupancy License	4420-3028

GARDiS Third Party Integrations

GARDiS Assa Abloy Aperio Licence	4420-3040
GARDiS Simons Voss SmartIntego Licence	4420-3045
GARDiS IP Lock Device Licence	4420-3049
GARDiS REST API	4420-3060
RotaOne T&A Integration	4420-3061
Milestone ACM Integration Service	4420-3062
Gamanet C4 License	4420-3063
Pelco VideoXpert Integration Service	4420-3064

Controllers

GARDiS Master Controller

GARDiS G1 Web Embedded Controller	5002-6001
GARDiS G2 Web Embedded Controller	5002-6002
GARDiS G4 Web Embedded Controller	5002-6004

GARDiS Enterprise Controller

GARDiS E1 Web Embedded Controller	5002-6101
GARDiS E2 Web Embedded Controller	5002-6102
GARDiS E4 Web Embedded Controller	5002-6104

GARDiS Extension Master and Enterprise Controller

GARDiS G4 4 Door Extension Module	5002-6005
GARDiS I/O Extension Module	5002-6006

GARDiS Door Dongle

GARDiS GWeb10 - 10 Door Activation Dongle	5002-6010
GARDiS GWeb20 - 20 Door Activation Dongle	5002-6020
GARDiS GWeb44 - 44 Door Activation Dongle	5002-6044

SOLOgarde

SOLOgarde Controller	5002-4000
SOLOgarde Controller with Back Box (Recommended for Proximity Variant)	5002-4007
SOLOgarde Programmer	5002-4001

MICROgarde

MICROgarde I IP - 1 Door Controller	5002-1901
MICROgarde I IP + PSU - 1 Door Controller	5002-1907
MICROgarde I IP + PoE - 1 Door Controller	5002-1914
MICROgarde II IP - 2 Door Controller	5002-1801
MICROgarde II IP + PSU - 2 Door Controller	5002-1807
MICROgarde II IP + PoE - 2 Door Controller	5002-1814
MICROgarde Input/Output Module	5002-1811
MICROgarde TCP/IP Module	5002-1812

EXSeries

EXcel4 Controller - 4 Reader, 1 to 4 Door Controller with PSU and TCP/IP	5002-3092
EXpert2 IP Controller - 2 Reader, 1 or 2 Door Controller with PSU and TCP/IP	5002-3012
EXpert4 IP Controller - 4 Reader, 1 to 4 Door Controller with PSU and TCP/IP	5002-3032

EXSeries

EXpert2 Slave - 2 Reader, 1 or 2 Door Slave Controller with PSU	5002-3042
EXpander2 - 2 Reader, 1 or 2 Door Expansion Module for EXpert Controllers	5002-3063
EX In/Out - 32 Input / 16 Output Expansion Module for EXpert Controllers	5002-3060
EX Out - 32 Kit	5002-3062
EXkeypad - Stand Alone Programmer for EXpert Master Controllers	5002-2070

Readers

Proximity Readers

GARDiS Mullion Proximity Readers	5002-0600

Product List

Readers

Proximity Readers

GARDiS Mullion Proximity Reader with Keypad	5002-0601
GARDiS Square Proximity Readers	5002-0602
GARDiS Square Proximity Reader with Keypad	5002-0603
EXprox Mullion Reader	5002-0354
EXprox VR (Vandal Resistant) Mullion Reader	5002-0355
EXprox2 Square Reader	5002-0395
EXprox2 VR (Vandal Resistant) Square Reader	5002-0356
EXprox2 Square Reader with Keypad	5002-0396
EXprox2 VR (Vandal Resistant) Square Reader with Keypad	5002-0357
PANELgarde Reader	5002-0430

MIFARE Readers

GARDiS MIFARE Serial CSN Mullion Reader	5002-0610
GARDiS MIFARE Serial CSN Mullion Reader with Keypad	5002-0611
GARDiS MIFARE Serial CSN Square Reader	5002-0612
GARDiS MIFARE Serial CSN Square Reader with Keypad	5002-0613
GARDiS MIFARE Classic and MIFARE PLUS Mullion Reader	5002-0620
GARDiS MIFARE Classic and MIFARE PLUS Mullion Reader with Keypad	5002-0621
GARDiS MIFARE Classic and MIFARE PLUS Square Reader	5002-0622
GARDiS MIFARE Classic and MIFARE PLUS Square Reader with Keypad	5002-0623
GARDiS MIFARE PLUS and DESfire Mullion Reader	5002-0630
GARDiS MIFARE PLUS and DESfire Mullion Reader with Keypad	5002-0631
GARDiS MIFARE PLUS and DESfire Square Reader	5002-0632
GARDiS MIFARE PLUS and DESfire Square Reader with Keypad	5002-0633
MIFARE Mullion CSN Reader	5002-0440U
MIFARE Mullion Sector 4 Reader	5002-0441U
EXsmart2 MIFARE CSN Square Reader	5002-0435
EXsmart2 MIFARE CSN Square Reader with Keypad	5002-0436
EXsmart2 MIFARE Sector 4 Square Reader	5002-0437
EXsmart2 MIFARE Sector 4 Square Reader with Keypad	5002-0438
MIFARE Serial CSN Panel Mount Reader	5002-0618
MIFARE Sector and DESfire Panel Mount Reader	5002-0638

Bluetooth Low Energy Readers

GARDiS Bluetooth Low Energy Mullion Reader	2920-0560

GARDiS Bluetooth Low Energy Square Reader	2920-0562
GARDiS Reader Programming Kit	2920-0586

PC Enrolment Readers

Dual-Technology Desktop Enrolment Reader - Proximity and MIFARE CSN	5002-0449
Dual-Technology Desktop Enrolment Reader - Proximity and Sector 4	5002-0447
MIFARE DESfire Enrolment Reader	5002-0448

UHF Long Range Readers

Spectre Nano Long Range Reader – Up to 3m	2920-0580
Wall Mounting Kit for Spectre Nano Reader	2920-0581
Pole Mounting Kit for Spectre Nano Reader	2920-0582
UHF Spectre Ultra Long Range Reader	2920-0583
Wall Mounting Assembly for UHF Long Range Reader	2920-0588
Wall & Pole Mounting Assembly for UHF Long Range Reader	2920-0584

Cards & Fobs

Proximity 125 KHz

Prox Card + TDSi Logo + ID No	4262-0245
Prox Card + HICO Mag Strip + TDSi Logo + ID No	4262-0247
Prox Fob Blue + TDSi Logo + ID No	4262-0246

MIFARE 13.46 MHz

1K MIFARE Classic Card	2920-3000
4K MIFARE Classic Card	2920-3001
1K MIFARE Classic Card + TDSi Logo + ID No	2920-3002
4K MIFARE Classic Card + TDSi Logo + ID No	2920-3003
1K MIFARE Sector 4 Card + TDSi Logo + ID No	2920-3004
4K MIFARE Sector 4 Card + TDSi Logo + ID No	2920-3005

MIFARE DESfire

2K MIFARE PLUS SL1 Card (TDSi format)	2920-6010
2K MIFARE PLUS SL1 Card (unformatted)	2920-6011
2K MIFARE PLUS SL3 Card (TDSi format)	2920-6030
2K MIFARE PLUS SL3 Card (unformatted)	2920-6031
4K MIFARE DESFire EV1 Card (TDSi format)	2920-6020
4K MIFARE DESFire EV1 Card (unformatted)	2920-6021

SOLOgarde

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

Bluetooth Low Energy

Bluetooth Virtual Card for Bluetooth Low Energy Readers	2920-0570