

# GARDiS Web Embedded Access Control Unit

## 1 Door / 2 Door / 4 Door Web Embedded Master Access Control Unit

GARDiS is the new user-friendly Web Embedded Access Control Unit.

The intuitive design of the GARDiS Access Control Unit means it requires minimal training to install. Fully expandable and capable of integration with Simons Voss and Assa Abloy Wireless Locks, the GARDiS Controller also supports all standard reader output formats.

The GARDiS controller is operated independently and requires no separate software installation. 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.

### Features

- Embedded Web Server
- Supports up to 10 Wireless Locks
  - Assa Abloy Aperio or Simons Voss Smart Intego\*
- 5,000 Card Capacity\*\* +15,000 Event Buffer
- 1,000+ Access Groups
- Up to 10 slave units per Master
  - Giving control of up to 44 doors
- Optional 8 Input/Output Modules
- Lift Control with optional I/O up to 80 floors
- Compatible with ANSSI/OSDP Level-2 Compliant Secure Readers
- Universal Reader Decoder
- Multi-protocols RS485 Wiegand and Clock&Data
- Anti-pass back, anti-time back, transit delaying
- Multiple languages supported\*\*\*

\* You can either use the Aperio **or** Simons Voss **or** have additional doors

\*\* 5,000 card capacity when not using with GARDiS Software

\*\*\*Speak to your account manager for more details



### Benefits

- Helps to optimise installers' time through easy installation and maintenance
- No additional software is required to install the Master Controller
- Configuration to the Access Control System is provided by an embedded web server
- Ability to expand to allow additional doors to be added
- Dedicated training available if required
- Ability to expand through a range of extension modules and addition of GARDiS Software

## Specification

GARDiS Web Embedded Master Controller	
<b>TDSi Part Number</b>	5002-6001 / 6002 / 6004
<b>Dimensions</b>	170 x 116 x 40 mm
<b>Weight</b>	257g
<b>Operating Environment</b>	0°C to + 50°C, 0 - 95% relative humidity (non-condensing)
<b>Power</b>	
<b>Input</b>	9 - 14 Vdc 1A (without PSU) 100-240 Vac, 50-60Hz, 1.8A max (PSU) PoE+/PoE++ IEEE 802.3at/bt (with PoE module)
<b>Features</b>	
<b>Max Credentials</b>	5,000*
<b>Doors</b>	1, 2 or 4
<b>Readers</b>	Up to 2 TDSi readers <b>per reader channel</b> in a read-in read-out configuration.** Alternatively, 1 reader per door equipped with industry standard clock & data, Wiegand multiformat or RS-485 output formats.
<b>Inputs</b>	1 per door. Additional available with I/O Module
<b>Outputs</b>	Control Relay: 1 A / 12V - 1A / 24v 1 used per installed door GARDiS 1: 2 Outputs GARDiS 2: 3 Outputs GARDiS 4: 5 Outputs
<b>Expansion Options</b>	GARDiS 4+ (4 door); 8 Inputs/8 Outputs module; Wireless IP Locks
<b>Time Groups</b>	128
<b>Anti-Passback</b>	Timed and true
<b>Mantrap Function</b>	Yes
<b>Communications</b>	TCP/IP and RS485 for extension modules

\* Card Capacity can be expanded up to 50,000 with the addition of GARDiS Software.

\*\* Limited functionality available

## Example Installation Diagram



## GARDiS Extension Modules

To increase the number of doors or equipment in the system, extension units must be purchased along with a license dongle to insert into the master unit. The available extensions are listed below, please note: a maximum of 10 Extension Units **or** 10 Wireless Locks may be used.

### GARDiS 4 EXT

#### 4-Door Extension Module

- RS485 connection to Master Unit
- 4 Additional Reader Channels
- 4 Fail Over modes



### GARDiS I/O EXT

#### 8 Pin Input/Output Extension Module

- RS485 connection to Master Unit
- Suitable for Lift Control
- 3 Fail Over modes



### GARDiS Power Supply Units

Power Supply Units are available in the following options depending on your setup:

#### 5A Switch Mode PSU

- with Lockable Metal Case  
Dimensions: 365 x 310 x 90mm
- with Double Module Lockable Metal Case  
Dimensions: 400 x 385 x 90mm

#### Power Over Ethernet ++ (PoE)

- with lockable Metal Case  
Dimensions: 365 x 310 x 90mm

## Wireless IP Locks



### ASSA ABLOY APERIO AH-30 1-8 COMMS HUB

- Uses RS485 for connection to the master unit
- Maximum of 10 IP Locks

### SIMONS VOSS SMART INTEGO GATEWAY NODE

- Uses RS485 for connection to the master unit
- Maximum of 10 IP Locks

## GARDiS Licence Dongle

This physical pin dongle allows for easy licensing to extend a GARDiS Web Embedded system from the included door limit up to it's maximum 44 Door configuration. Please note: for systems requiring more than 44 Doors, Multiple Sites or additional Software Integrations, GARDiS Software is required.



### GARDiS WEB 44

Extends systems up to 44 Doors

## Ordering Information

GARDiS Controllers		
GARDiS G1 Controller	1-Door Master GARDiS Controller	5002-6001
GARDiS G1 Controller	1-Door Master GARDiS Controller with Case and 5A PSU	5002-6011
GARDiS G2 Controller	2-Door Master GARDiS Controller	5002-6002
GARDiS G2 Controller	2-Door Master GARDiS Controller with Case and 5A PSU	5002-6012
GARDiS G4 Controller	4-Door Master GARDiS Controller	5002-6004
GARDiS G4 Controller	4-Door Master GARDiS Controller with Case and 5A PSU	5002-6014
GARDiS Power Supply Units		
GARDiS 5A Switch Mode PSU and Metal Case	5A Switch mode PSU and Lockable Case for GARDiS Controllers and Extension Modules	5002-6050
GARDiS 5A Switch Mode PSU and Double Module Metal Case	5A Switch mode PSU and Double Module Lockable Case for GARDiS Controllers and Extension Modules	5002-6052
GARDiS POE++ PSU and Metal Case	POE ++ PSU and Lockable Case for GARDiS Controllers and Extension Modules	5002-6051
GARDiS Extension Modules		
GARDiS 4 EXT Module	4 Door Extension Module for Master Controllers	5002-6005
GARDiS 4 EXT Module	4 Door Extension Module for Master Controllers with Case and 5A PSU	5002-6015
GARDiS I/O EXT Module	8 Input/Output I/O EXT Module for Master Controllers	5002-6006
GARDiS I/O EXT Module	8 Input/Output I/O EXT Module for Master Controllers with Case and 5A PSU	5002-6016
GARDiS Licence Dongle		
GARDiS Web44	44-Door Dongle for use with GARDiS Master Controllers	5002-6044
Wireless IP Locks		
Assa Abloy Aperio AH30	Wireless Hub - Supports 10 Aperio Locks	5002-0533
Simons Voss Smart Intego	Wireless Hub - Supports 10 Simons Voss Locks	5002-0556

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