GARDiS Web Embedded Controller

1 Door / 2 Door / 4 Door Web Embedded Master 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, which 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

Features

- Embedded web server
- Fits up to 10 wireless locks - Aperio / 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
**Speak to your account manager for more detail

Benefits

- Helps to optimise installers' time through easy installation and maintenance
- No additional software is required to install the Web Embedded Controller
- Configuration to the access control system is provided by an embedded web server
- Ability to expand to allow additional doors to be added
- Minimal training required
- Ability to expand through a range of extension modules

Specification

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

* Limited functionality available

GARDiS Licence Dongles

These are physical pin dongles that allow for easy licensing of extensions. Using the dongles, you can extend a system by the quantities listed below, in addition to those that are available with the master unit.

GARDiS WEB 10
Extends systems up to 10-doors

GARDiS WEB 20
Extends systems up to 20-doors

GARDiS WEB 44
Extends systems up to 44-doors

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.

Note: A maximum of 10 extension units **or** 10 wireless locks may be used.

GARDiS 4 EXT

4-Door Extension Module

- Uses RS485 for connection to the master unit
- 4 additional reader channels
- 4 fail over modes

GARDiS I/O EXT

8 pin Input / Output Extension Module

- Uses RS485 for connection to the master unit
- Suitable for use with lift control
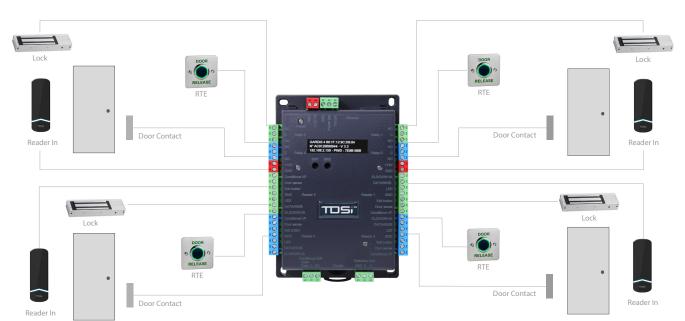- 3 fail over modes

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

Example Installation Diagram

Ordering Information

GARDiS Controllers		
GARDiS G1 Controller	1-Door Master GARDiS Controller	**5002-6001**
GARDiS G2 Controller	2-Door Master GARDiS Controller	**5002-6002**
GARDiS G4 Controller	4-Door Master GARDiS Controller	**5002-6004**
GARDiS Extension Modules		
GARDiS 4 EXT Module	4 Door Extension Module for Master and Enterprise Level Controllers	**5002-6005**
GARDiS I/O EXT Module	8 Input/Output I/O EXT Module for Master and Enterprise Level Controllers	**5002-6006**
GARDiS Licence Dongles		
GARDiS Web10	10-Door Dongle for use with GARDiS Master Controllers	**5002-6010**
GARDiS Web20	20-Door Dongle for use with GARDiS Master Controllers	**5002-6020**
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**