

Gallagher SMB Door Kit

The Gallagher SMB Door Kit variants contain all the hardware you require to commission a system and set up access control and intruder detection for a single, 4, 6, 8, or 10 door site.

What is Gallagher SMB?

Gallagher SMB is a fully cloud-based system, designed to simplify and streamline security for businesses. It offers robust intruder detection and access control functionality, all rolled into an easy-to-use app.

Kit Variations

Gallagher SMB Single Door Kit (C500201)

- 1 x SMB Single Door Cabinet
- 1 x SMB Controller 6000
- 1 x SMB HBUS 8In 4Out Board
- 1 x Power Supply 3.5 A
- 1 x SMB T30 Multi Tech Reader, White

Gallagher SMB 4 Door Kit (C500321)

- 1 x SMB Dual Cabinet
- 1 x SMB Controller 6000
- 1 x SMB HBUS 16In 16Out Board
- 1 x SMB HBUS 8 Port Hub
- 1 x Power Supply 8.0 A
- 1 x Controller 6000I/O Mounting Plate
- 4 x T15 Multi Tech Reader, Black

Gallagher SMB 6 Door Kit (C500322)

- 1 x SMB Dual Cabinet
- 1 x SMB Controller 6000
- 1 x SMB HBUS 16In 16Out Board
- 1 x SMB HBUS 8 Port Hub
- 1 x Power Supply 8.0 A
- 1 x Controller 6000I/O Mounting Plate
- 6 x T15 Multi Tech Reader, Black

Gallagher SMB 8 Door Kit (C500323)

- 1 x SMB Dual Cabinet
- 1 x SMB Controller 6000
- 1 x SMB HBUS 8In Board
- 1 x SMB HBUS 16In 16Out Board
- SMB HBUS 8 Port Hub
- 1 x Power Supply 8.0 A
- 1 x Controller 6000I/O Mounting Plate
- 8 x T15 Multi Tech Reader, Black

Gallagher SMB 10 Door Kit (C500324)

- 1 x SMB Dual Cabinet
- 1 x SMB Controller 6000
- 1 x SMB HBUS 8In Board
- 1 x SMB HBUS 16In 16Out Board
- SMB HBUS 8 Port Hub
- 1 x Power Supply 8.0 A
- 1 x Controller 6000I/O Mounting Plate
- 10 x T15 Multi Tech Reader, Black

Gallagher SMB Controller 6000

The Gallagher SMB Controller 6000 can manage localised intruder alarms, access control, and site management tasks, to ensure your site operates safely and efficiently. The controller is connected to Gallagher's private cloud infrastructure hosted on Amazon's AWS cloud computing platform. The controller is authenticated and authorised with the cloud using unique RSA encryption keys securely generated and pre-loaded in the Gallagher factory. All communication with the cloud is over a secure, encrypted network connection using industry best practice encryption protocols (TLS/AES).

Key features

- Controller is updated automatically with the latest firmware including new functionality and any necessary cyber security updates.
- Provides self-monitoring capabilities - users can receive alarm notifications, respond to intruder alarms, and request a guard call-out.
- Controller data is securely stored and backed up in the cloud.
- Controller can be supported with an optional 3G/4G cellular back-up, which re-connects to the cloud to ensure redundancy if the site's local internet connection is lost.
- High-speed encrypted RS485 connectivity and software updates to field devices.
- Strong authentication and encryption between the controller and AWS cloud server.
- Remote configuration through the SMB Installer Portal.
- Access control support for up to 10 doors.
- An unlimited number of alarm Areas.
- An unlimited number of users.
- 80,000 system events can be stored locally if the Cloud is temporarily inaccessible.



Gallagher SMB Readers

Gallagher SMB Readers allow for secure access control and local alarm management using a smartphone (with Bluetooth® or NFC enabled), key tag, card or user code (user codes supported by the T30 Reader only). Gallagher SMB supports the SMB T11, T15 and T30 readers.

Key features

- Request access at a door using a smartphone, key tag, card or a user code.
- Arm or disarm the site or individual areas at the reader using a smartphone, key tag, card or user code.
- Environmentally friendly - RoHS compliant and designed for minimal power consumption.
- Heartbeat monitoring for real-time reader status.
- Utilising the high speed RS485 HBUS protocol, Gallagher readers can offer an unparalleled access decision response time.
- Supports up to 10 access controlled doors.



Gallagher SMB HBUS I/O Boards

The Gallagher SMB HBUS Boards provide secure input and output device options for connecting third-party devices to the Gallagher system. The HBUS communications protocol is based on the RS485 standard and allows each HBUS I/O Board to communicate with the Gallagher Controller over a distance of up to 500 m (1640 ft) at a speed of 1 Mb/s.

Key features

- Multiple boards can be daisy chained together along the same cable run
- Unique identifier for all field devices
- IT grade authentication and encryption levels to prevent data tampering

Variable end of line resistance

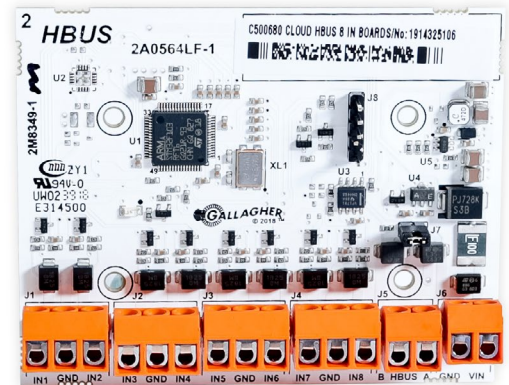
Configurable end of line resistance is supported for all Gallagher HBUS I/O boards.

Key features

- Multiple boards can be daisy chained together along the same cable run
- Unique identifier for all field devices
- IT grade authentication and encryption levels to prevent data tampering

Controlling inputs and outputs

Making no high-level decisions, the HBUS I/O boards monitor the state of the balanced inputs and switches the output relays as instructed by the controller.



System capabilities

Gallagher SMB Single Door Kit	Default	Maximum
Access controlled doors	1	10
Inputs	8	256
Outputs	4	256
HBUS devices	3	16 HBUS I/O Boards, 10 Readers
Areas	Unlimited	-
Users	Unlimited	-

Gallagher SMB 4 Door Kit	Default	Maximum
Access controlled doors	4	10
Inputs	16	256
Outputs	16	256
HBUS devices	3	16 HBUS I/O Boards, 10 Readers
Areas	Unlimited	-
Users	Unlimited	-

Gallagher SMB 6 Door Kit	Default	Maximum
Access controlled doors	6	10
Inputs	16	256
Outputs	16	64
HBUS devices	3	16 HBUS I/O Boards, 10 Readers
Areas	Unlimited	-
Users	Unlimited	-

Gallagher SMB 8 Door Kit	Default	Maximum
Access controlled doors	8	10
Inputs	24	256
Outputs	16	64
HBUS devices	3	16 HBUS I/O Boards, 10 Readers
Areas	Unlimited	-
Users	Unlimited	-

Gallagher SMB 10 Door Kit	Default	Maximum
Access controlled doors	10	10
Inputs	24	256
Outputs	16	64
HBUS devices	3	16 HBUS I/O Boards, 10 Readers
Areas	Unlimited	-
Users	Unlimited	-

Technical specifications

Gallagher SMB Door Kit		
Gallagher SMB Single Door Cabinet		
Dimensions	Height x Width x Depth	400 mm (15.7 ") x 300 mm (11.8 ") x 133 mm (5.2 ")
	Footprints	1
Material		Approx 1mm thick steel
Environmental Data	Temperature range	-10 °C to +50 °C (+14 °F to +122 °F)
	Humidity	95% non-condensing
	Protection rating	IP44

Gallagher SMB Dual Cabinet		
Dimensions	Height x Width x Depth	620 mm (24.4 ") x 372 mm (14.6 ") x 150 mm (5.9 ")
	Footprints	2
Material		Approx 1mm thick steel
Environmental Data	Temperature range	-10 °C to +55 °C (+14 °F to +131 °F)
	Humidity	95% non-condensing
	Protection rating	IP44

Gallagher SMB Controller 6000

Tamper protection		Optical sensor
Power	Voltage Idle current @ 13.6 Vdc	9 Vdc - 16 Vdc 175 mA
Environmental limits	Operating temperature Humidity	-10 °C to +70 °C (+14 °F to +158 °F) 95% non-condensing
Communications	Ethernet network connection RS485 device communications (2 ports) Number of ports	10/100 BaseT Ethernet Port Maximum speed- 1 Mbit/s, 500 m 2 x RS485 1 x RS232
Standards compliance	CE, RCM, FCC Compliance and certification information is available on our support site or by contacting Gallagher	
Dimensions	Height x Width x Depth	100 mm (3.9 ") x 180 mm (7.1 ") x 42 mm (1.7 ")

Gallagher SMB Readers	T15 Reader	T30 Reader
Maximum read* distance	50 mm (2.0 ")	60 mm (2.4 ")
- SMB Tag (MIFARE DESFire EV2/EV3 4K)	50 mm (2.0 ")	60 mm (2.4 ")
- SMB Cards (MIFARE DESFire ISO Card 4K EV3)	Configurable	
- SMB app (BLE)		
Dimensions mm (Height x Width x Depth)	139 mm (5.8 ") x 44 mm (1.7 ") x 23 mm (0.9 ")	118 mm (4.6 ") x 86 mm (3.4 ") x 27 mm (1.1 ")
Environmental protection	IP68	
Impact rating	IK07	IK09
UV stability	Nil structural degradation for the life of the reader*	
Voltage	9 - 16 Vdc	
Idle current @ 13.6Vdc	81 mA	87 mA
Operational temperature range °C	-35 °C to +70 °C (-31 °F to 158 °F)	
Humidity	95% non-condensing	93% RH at + 40° C (104 °F) & 97% RH at + 25° C (77 °F)

Gallagher SMB HBUS 8In Board

Voltage		13.6 Vdc +- 15%
Fuse		Onboard 1 A resettable polyfue
Operating current		50 mA DC (all inputs terminated with 4k7 resistors)
Power rating		0.68 W
Temperature range		-10 °C to +50 °C (+14 °F to +122 °F)
Humidity		95% non-condensing
Dimensions	Height x Width x Depth	30 mm (1.2 ") (with connectors) x 87 mm (3.4 ") x 70 mm (2.8 ")
Standards and compliance		FCC, RCM, CE, RoHS

Gallagher SMB HBUS 8In 4Out Board

Voltage		13.6 Vdc +- 15%
Fuse		Onboard 1 A resettable polyfused
Operating current	Relays on	200 mA DC
Power rating	Relays on	2.72 W (relays on)
Temperature range		-10 °C to +50 °C (+14 °F to +122 °F)
Humidity		95% non condensing ¹
Dimensions	Height x Width x Depth	30 mm (1.2 ") (with connectors) x 70 mm (2.8 ") x 180 mm (7.1 ")
Standards and compliance		FCC, RCM, CE, RoHS

Gallagher SMB HBUS 16In 16Out Board

Voltage		13.6 Vdc +- 15%
Fuse		Onboard 1 A resettable polyfue
Operating current	Relays on	674 mA DC
Power rating	Relays on	9.17
Temperature range		-10 °C to +50 °C (+14 °F to +122 °F)
Humidity		95% non-condensing
Dimensions	Height x Width x Depth	30 mm (1.2 ") (with connectors) x 180 mm (7.1 ") x 180 mm (7.1 ")
Standards and compliance		FCC, RCM, CE, RoHS

Gallagher SMB HBUS 8 Port Hub		
Voltage		13.6 Vdc +/- 15%
Operating current		20 mA DC
Power rating		0.68 W
Temperature range		-10 °C to +50 °C (+14 °F to +122 °F)
Humidity		95% non-condensing
Dimensions	Height x Width x Depth	30 mm (1.2 ") (with connectors) x 87mm (3.4 ") x 88 mm (3.5 ")
Standards and compliance		FCC, RCM, CE, UL

Gallagher 3.5 A Power Supply		
Input voltage		100 - 240v AC
Output voltage		Primary 13.8 V
Output current		3.5 A
Standards and compliance		EN55022 (EMC Standard), EN60950 (Safety)

Gallagher 8.0 A Power Supply		
Input voltage		100 - 240v AC
Output voltage		Primary 13.8 V
Output current	Primary Secondary	7.0 A or 8.0 A (when secondary output not in use) 1.0 A
Standards and compliance		EN55022 (EMC Standard), EN60950 (Safety)

The products described in this document are subject to continuous development and improvement so specifications and information may change without notice. System configuration, network capacities and the volume of system activity affect performance.

Part numbers

Gallagher SMB Door Kit	Part #
Gallagher SMB Single Door Kit	C500201
Gallagher SMB 4 Door Kit	C500321
Gallagher SMB 6 Door Kit	C500322
Gallagher SMB 8 Door Kit	C500323
Gallagher SMB 10 Door Kit	C500324

Gallagher World Headquarters

181 Kahikatea Drive, Melville, Hamilton 3204
New Zealand

Phone +64 7 838 9800
Email security@gallagher.com



Regional Offices

Americas +1 877 560 6308
Australia +61 3 9308 7722

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