

8H Module

C300182

Product description

Flexible, fast, cost-effective and secure, Gallagher HBUS I/O Devices provide input and output expansion options, extending the connectivity of the Gallagher Controller 6000 and supporting shared cabling with other HBUS devices.



Product details

Features and benefits

- High speed communication – the HBUS communication protocol is based on the RS485 standard, delivering high speed communication between each HBUS I/O Device and the Gallagher Controller 6000 at a rate of 1Mb/s over a distance of up to 500m (1640 ft.).
- Automated device software upgrades – HBUS I/O Device software is automatically available with Controller 6000 software upgrades, meaning no operator intervention is required.
- Tamper protection – IT-grade authentication and encryption prevents data tampering and further enhances the security of your system.
- Unique identities for all field devices – ensures compromised devices cannot be added to the system.
- Variable end-of-line resistance – allows Gallagher HBUS devices to be easily installed using a site's existing security wiring.

HBUS Modules

Gallagher 8H and 4H modules support star wiring of secure high-speed HBUS devices including T Series Readers and the F22 Fence Controller to a secure Gallagher Cabinet. Star wiring HBUS devices to a controller cabinet removes the risk of one faulty connection taking down multiple devices, and enables easier fault isolation. I/O connectivity is also provided for door and equipment monitoring. Gallagher HBUS Modules are:

- 8H Module provides 8 HBUS ports, 24 balanced inputs and 8 relay outputs
- 4H Module provides 4 HBUS ports, 12 balanced inputs and 4 relay outputs.

HBUS I/O Devices

Gallagher HBUS I/O Devices provide flexible, cost effective and secure input and output expansion options, and shared cabling with other HBUS devices.

The Gallagher 8 In 2 Out Door Module:

- Connects reader or terminal devices up to 400m (1312ft.) away allowing HBUS communications to be branched or 'T' Wired from HBUS cabling connected to the Controller 6000
- Provides isolation between its upstream and downstream HBUS runs protecting other HBUS Devices connected to the same controller HBUS port

- Provides connections for Gallagher's T Series Reader range.

The Gallagher HBUS 4 In 2 Out Door Module – Wiegand provides connection for two Wiegand readers, 4 balanced inputs and 2 relay outputs.

The Gallagher HBUS I/O Board are:

- 16 In 16 Out Board
- 8 In 4 Out Board
- 8 In Board.

Monitoring inputs may be used for monitoring:

- Access controlled doors
- Passive Infrared detectors (PIRs)
- Uncontrolled doors
- Equipment alarms
- Any other devices that provide a clean contact.

Activating outputs - relays may be used as:

- Door control
- Alarm output for example activating sirens
- Logic activated output for example switching air conditioning on and off
- Time activated output for example switching lighting on and off.

Product Specification

Inputs	24	Outputs	8
Voltage	13.6 v DC ±15%	Standards Compliance	FCC, CE, RCM, RoHS Compliance and certification information is available on our support site or by contacting Gallagher

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