

ASGUARD ACCESS CONTROL

- Access Control
- Alarm Intrusion
- Time and Attendance



ACCESS CONTROL
for your safety

Access Control & Alarm Panel

Asguard CP



- Access control and intruder alarm panel
- Grade 4 according to EN 50131
- Master panel controlling up to 32 doors
- Expandable up to 144 intruder alarm zones
- Up to 16 alarm keypads
- 32,768 cardholders
- 71,500 access control events memory
- 3,000 intruder alarm events memory
- Metal case with tamper protection
- 3 year Warranty

Description

Asguard CP is a 3-in-1 product, which integrates access control, intruder alarm detection together with time and attendance making Asguard an ideal solution to monitor and protect sites, from small offices to large facilities including industrial and critical infrastructure sites.

Features

Asguard CP is scalable according to the user's needs, with slave and plug-in modules, and multiple panels connected over IP to our software application. The access control and intruder alarm manager application allows easy programming of all the system functions.

Key Functions

Asguard CP is ideal for pedestrian and vehicle access control, time and attendance, visitors' access control, intruder detection and alarm, and remote alarm transmission.

Grade 4

Asguard CP fulfils the requirements, used in Grade 4 security systems according to EN 50131.

Interoperability

Asguard CP connects to standard access control readers on Wiegand and Clock-and-Data interfaces, including proximity and biometric readers. Intrusion zones accept any dry-contact output detector, providing line supervision.

Connectivity

Asguard CP can connect to any IP network using the Ethernet plug-in module listed in the accessories list. Slave door control units and intruder alarm zones extensions modules connect to the Asguard CP on RS485 serial ports.

Ease of Installation

Asguard CP is supplied with all the accessories needed for easy installation.

Technical Specification Asguard CP Central Panel

General System Capacity		Main Panel I/O	
Readers	32 (of which 2 on CP)	Readers interface	2 Wiegand interfaces
Cardholders	32,768	Access control inputs	2 door status monitoring inputs 2 request to exit (RQE) inputs
Time zones	64	Intruder alarm zone inputs	16 double end of line supervised inputs
Master time zones	64	Other inputs	Battery status input Mains power monitoring input
Access zones	64	Lock control outputs	2 dry contact lock outputs, 3A rated
Master access zones	64	General purpose outputs	4 dry contact outputs, 3A rated
Holidays	4 tables of 32 holidays each	Access signalling outputs	4 open collector outputs
Access events memory	71,500	Software resetable voltage output	1 x 12Vdc, 0.5A rated
Intruder alarm zones	144		
Partitions	32		
Intruder alarm events memory	3,000		
PIN code format	4 to 8 digits		
Intrusion alarm users	128 (admin, service, installer, 8 x guards, 117 x users)		
Extension Ports		Power	
Access control bus ports	2 x RS485	Power input	12Vdc
Intruder alarm bus ports	2 x RS485	Power consumption	110 mA in stand by 300 mA in alarm
Baud rate	19,200		
Access control extension capacity	up to 30 additional readers per CP (15 2-door modules or any combination of 2-door and 4-door modules)		
Intruder alarm extension capacity	up to 128 additional zones (up to 8 Intruder Alarm Modules) up to 16 keypads		
Computer/server interface		Power supply module	
Serial	1 x RS232 or RS485	Mains voltage	230Vac
Baud rate	19,200	Output voltage	14.5 Vdc
IP	Using optional Ethernet plug-in module	Available output current	2A
		Battery charging current	0.6A
		Battery	12V / 7Ah (not included)
Part Numbers		Environmental	
Asguard CP	0065-01001	Environmental class	Class II - Indoor - General according to EN50131
Asguard CP main board only	0065-01010	Operating temperature	0°C ÷ +40°C
Asguard power supply board only	0065-01013	Storage temperature	0°C ÷ +40°C
Spare EOL resistors	0065-01014	Relative humidity	up to 75% non-condensing
Spare plastic spacers	0065-01015		
General			
Dimensions	298 x 285 x 83 mm		
Weight	1.65Kg		
Warranty	3 years		
Certifications	CE		



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Access Control Module

Asguard ACM



- 2 doors in the base version
- Expandable to 4 doors using plug-in board
- 32,768 cardholders
- 71,500 access control events memory
- Metal case with tamper protection
- 3 year Warranty

Description

Asguard ACM Access Control Module ensures stand-alone or networked access control for up to 2 doors in its base version and up to 4 doors when fitted with the Asguard ACE Access Control Extension.

Features

Asguard ACM has an on-board database of access rights, being able to function even without any network connectivity.

Key Functions

Asguard ACM is used for pedestrian and vehicle access control, time and attendance and visitors access control.

Interoperability

Asguard ACM connects to standard access control readers on Wiegand and Clock-and-Data interfaces, including proximity and biometric readers.

Connectivity

Remote management, configuration and monitoring can be done via the Asguard CP on RS485 or directly over IP, if fitted with the Asguard ETH Ethernet Module.

Ease of Installation

Asguard ACM is supplied with all the accessories needed for easy installation.

Technical Specification Asguard ACM Access Control Module

Module Capacity		Module I/O	
Readers	2	Readers interface	2 Wiegand/Clock-and-Data interfaces (jumper selectable)
Cardholders	32,768	Access control inputs	2 door status monitoring inputs 2 request to exit (RQE) inputs
Time zones	64	Other inputs	Battery status input Mains power monitoring input
Master time zones	64	Lock control outputs	2 dry contact lock outputs, 3A rated
Access zones	64	Access signalling outputs	8 open collector outputs
Master access zones	64		
Holidays	4 tables of 32 holidays each		
Access events memory	71,500		
CP Connection Ports		Power	
Access control bus ports	1 x RS485	Power input	12Vdc
Baud rate	19,200	Power consumption	70 mA in stand by 130 mA with both outputs ON
Maximum configuration	up to 30 additional readers per CP (15 2-door modules or any combination of 2-door and 4-door modules) unlimited when using IP connectivity on ACM		
Computer/server interface		Power supply module	
IP	Using optional Ethernet plug-in module	Mains voltage	230Vac
		Output voltage	14.5 Vdc
		Available output current	2A
		Battery charging current	0.6A
		Battery	12V / 7Ah (not included)
Part Numbers		Environmental	
Asguard ACM	0065-01002	Environmental class	Class II - Indoor - General according to EN50131
Asguard ACM main board only	0065-01011	Operating temperature	0°C ÷ +40°C
Asguard power supply board only	0065-01013	Storage temperature	0°C ÷ +40°C
Spare plastic spacers	0065-01015	Relative humidity	up to 75% non-condensing
General			
		Dimensions	298 x 285 x 83 mm
		Weight	1.5Kg
		Warranty	3 years
		Certifications	CE



The Asguard ACM can be expanded to 4 readers using the Asguard ACE plug-in module.



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Intruder Alarm Module

Asguard IAM



- Grade 4 according to EN 50131
- 16 supervised alarm inputs
- 2 dry contact outputs
- Expandable up to 144 intruder alarm zones
- Up to 16 alarm keypads for arming/disarming
- 3,000 intruder alarm events memory in CP
- Metal case with tamper protection
- 3 year Warranty

Description

Asguard IAM Intruder Alarm Module is a serial bus connected module that expands the number of zones and outputs of the CP.

Features

Asguard IAM features 16 double-end-of-line supervised inputs and 2 dry contact outputs. The inputs accept dry contact outputs from detectors. The 2 outputs can be used either to trigger a siren or communicator in alarm, or to control external devices.

Key Functions

Asguard IAM is used for intruder detection and alarm, and remote alarm transmission via the CP.

Interoperability

Asguard IAM accepts any dry-contact output detector, providing line supervision.

Connectivity

Remote management, configuration and monitoring can be done via the Asguard CP on RS485 or over IP, if the CP is fitted with the Asguard ETH Ethernet Module.

Ease of Installation

Asguard IAM is supplied with all the accessories needed for easy installation.

Technical Specification Asguard IAM Intruder Alarm Module

Module Capacity		Module I/O	
Intruder alarm zones	16	Intruder alarm zone inputs	16 double end of line supervised inputs
CP Connection Ports		Other inputs	Battery status input Mains power monitoring input
Intruder alarm bus ports	1 x RS485	General purpose outputs	2 dry contact outputs, 3A rated
Baud rate	19,200	Software resetable voltage output	1 x 12Vdc, 0.5A rated
Maximum configuration	up to 128 additional zones (up to 8 Intruder Alarm Modules)		
Part Numbers		Power	
Asguard IAM	0065-01004	Power input	12Vdc
Asguard IAM main board only	0065-01012	Power consumption	50 mA in stand by 100 mA in alarm
Asguard power supply board only	0065-01013	Power supply module	
Spare EOL resistors	0065-01014	Mains voltage	230Vac
Spare plastic spacers	0065-01015	Output voltage	14.5 Vdc
		Available output current	2A
		Battery charging current	0.6A
		Battery	12V / 7Ah (not included)
Environmental			
Environmental class	Class II - Indoor - General according to EN50131		
Operating temperature	0°C ÷ +40°C		
Storage temperature	0°C ÷ +40°C		
Relative humidity	up to 75% non-condensing		
General			
Dimensions	298 x 285 x 83 mm		
Weight	1.5Kg		
Warranty	3 years		
Certifications	CE		



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Power Supply

Asguard PWR



- Power supply for Asguard series
- Battery backup
- Mains power failure alarm output
- Tamper protection
- 3 year Warranty

Description

Asguard PWR is switching power supply designed for security applications.

Features

Asguard PWR offers a 14.5 Vdc output and has battery back-up. The battery is charged during normal operation.

Key Functions

Asguard PWR provides 14.5 Vdc /2 A power for detectors and locks, whenever the power supply included in the Asguard panels and modules does not cover the consumption.

Interoperability

Asguard PWR uses standard 12Vdc 7Ah batteries.

Ease of Installation

Asguard PWR is supplied with all the accessories needed for easy installation.

Technical Specification Asguard PWR Power Supply

Power supply		Power supply I/O	
Mains voltage	230Vac	Mains power fail alarm	1 optocoupler
Output voltage	14.5 Vdc		
Available output current	2A		
Battery charging current	0.6A		
Battery	12V / 7Ah (not included)		
Part Numbers		Environmental	
Asguard PWR	0065-01009	Environmental class	Class II - Indoor - General according to EN50131
Asguard power supply board only	0065-01013	Operating temperature	0°C ÷ +40°C
Spare plastic spacers	0065-01015	Storage temperature	0°C ÷ +40°C
		Relative humidity	up to 75% non-condensing
General		General	
		Dimensions	262 x 217 x 83 mm
		Weight	1.1Kg
		Warranty	3 years
		Certifications	CE



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Access Control Extension

Asguard ACE



- Expands ACM to 4 doors
- Plugs on the ACM board
- 32,768 cardholders via ACM
- 71,500 access control events memory via ACM
- 3 year Warranty

Description

Asguard ACE Access Control Extension plugs on the ACM board to ensure stand-alone or networked access control for up to 4 doors per one box.

Features

Asguard ACE uses the ACM on-board database of access rights, being able to function even without any network connectivity.

Key Functions

Asguard ACE is used together with ACM for pedestrian and vehicle access control, time and attendance and visitors access control.

Interoperability

Asguard ACE connects to standard access control readers on Wiegand and Clock-and-Data interfaces, including proximity and biometric readers.

Connectivity

Remote management, configuration and monitoring is done through the ACM, via the Asguard CP on RS485 or directly over IP, if fitted with the Asguard ETH Ethernet Module.

Ease of Installation

Asguard ACE is supplied with all the accessories needed for easy installation.

Technical Specification Asguard ACE Access Control Extension

Extension Capacity		Extension I/O	
Readers	2	Readers interface	2 Wiegand/Clock-and-Data interfaces (jumper selectable)
ACM Connection		Access control inputs	2 door status monitoring inputs 2 request to exit (RQE) inputs
Connection	plug-in on the ACM board	Lock control outputs	2 dry contact lock outputs, 3A rated
Fixing	2 spacers and screws	Access signalling outputs	8 open collector outputs
Part Numbers		Power	
Asguard ACE	0065-01003	Power input	Directly from ACM
		Power consumption	50 mA in stand by 120 mA with both outputs ON
Environmental			
Environmental class		Class II - Indoor - General according to EN50131	
Operating temperature		0°C ÷ +40°C	
Storage temperature		0°C ÷ +40°C	
Relative humidity		up to 75% non-condensing	
General			
Dimensions		78 x 73 x 20 mm	
Weight		0.1Kg	
Warranty		3 years	
Certifications		CE	



The Asguard ACE plug-in module is used to expand Asguard ACM to 4 readers.



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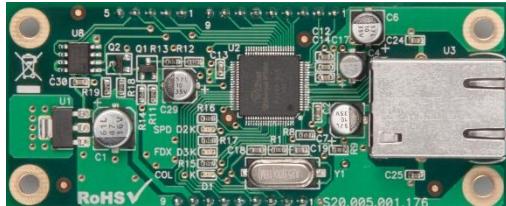


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Ethernet Module

Asguard ETH



- Provides IP connectivity to Asguard panels
- Can be used on Asguard CP and Asguard ACM
- 3 year Warranty

Description

Asguard ETH is an Ethernet communicator that allows Asguard CP and ACM to connect directly to IP networks.

Features

Asguard ETH is used for local or remote management of the Asguard CP or ACM via an IP network.

Interoperability

Asguard ETH connects to standard Ethernet switches or routers.

Connectivity

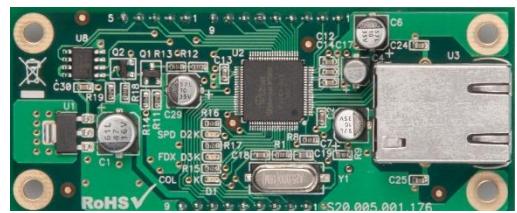
Asguard ETH plugs directly to the CP or ACM boards.

Ease of Installation

Asguard ETH is supplied with all the accessories needed for easy installation.

Technical Specification Asguard ETH Ethernet Module

ACM Connection		Power	
Connection	plug-in on the CP or ACM board	Power input	Directly from CP or ACM
Fixing	2 spacers and screws	Power consumption	50 mA
Network Interface		Environmental	
IP	1 Ethernet port, RJ45	Environmental class	Class II - Indoor - General according to EN50131
Part Numbers		Operating temperature	0°C ÷ +40°C
Asguard ETH	0065-01006	Storage temperature	0°C ÷ +40°C
		Relative humidity	up to 75% non-condensing
General			
		Dimensions	83 x 35 x 25 mm
		Weight	0.03Kg
		Warranty	3 years
		Certifications	CE



The Asguard ETH plug-in module is used to provide IP connectivity to Asguard CP and Asguard ACM.



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Alarm Keypad

Asguard KPD



- Intruder alarm keypad for arming/disarming
- Time & attendance functions
- Grade 4 according to EN 50131
- Up to 1 alarm keypads per system
- Tamper protection
- 3 year Warranty

Description

Asguard KPD Keypad provides arming/disarming functions, time & attendance and general system operation for the Asguard panels.

Features

Asguard KPD features a numeric keypad, menu navigation buttons, a function button for access to specific menu options and 2 buttons for quick arming/disarming.

Key Functions

Asguard KPD is used for time and attendance, intruder detection and alarm and remote alarm transmission via CP.

Grade 4

Asguard KPD fulfils the requirements to be used in Grade 4 security systems according to EN 50131.

Interoperability

Asguard KPD connects to a standard access control reader on Wiegand interface, including proximity and biometric readers.

Connectivity

Remote management, configuration and monitoring can be done via the Asguard CP on RS485 or over IP, if the CP is fitted with the Asguard ETH Ethernet Module.

Ease of Installation

Asguard KPD is supplied with all the accessories needed for easy installation.

Technical Specification Asguard KPD Keypad

Keypad Features		Keypad I/O	
Display	2 x 16 characters	Attendance reader interface	1 Wiegand interface
Keys	Numeric keys 0 to 9 Scroll keys < > ^ v Quick arm key Quick disarm key	Reader power output	12Vdc
LED	1 Status LED 1 Armed LED		
Readers	1 (for time and attendance)		
PIN code format	4 to 8 digits		
Intrusion alarm users	128 (admin, service, installer, 8 x guards, 117 x users)		
CP Connection Ports		Environmental	
Intruder alarm bus ports	1 x RS485	Environmental class	Class II - Indoor - General according to EN50131
Baud rate	19,200	Operating temperature	0°C ÷ +40°C
Maximum configuration	up to 16 keypads	Storage temperature	0°C ÷ +40°C
		Relative humidity	up to 75% non-condensing
Part Numbers		General	
Asguard KPD	0065-01005	Dimensions	145 x 122 x 30 mm
		Weight	0.25Kg
		Warranty	3 years
		Certifications	CE



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RS485 Isolated Repeater

Asguard ISL



- Protection of long communication lines
- Repeater function
- 3 year Warranty

Description

Asguard ISL is an optical isolator repeater for the RS485 communication lines.

Features

Asguard ISL isolates the two devices communicating over RS485 and extends the maximum length of the RS485 bus by another 1000m.

Key Functions

Asguard ISL is used to protect Asguard modules against electrical interference induced in the RS485 communication lines.

Connectivity

Asguard ISL connects to RS485 ports of Asguard panels and modules.

Ease of Installation

Asguard ISL is supplied with cable leads for easy installation.



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Technical Specification Asguard ISL RS485 Isolated Repeater

Isolator data		Power	
Ports	2 RS485 ports	Power input	9 ÷ 26Vdc
LEDs	2 LEDs for data transmission	Power consumption	75 mA
Reverse polarity protection		yes	
Part Numbers		Environmental	
Asguard ISL	0065-01007	Environmental class	Class II - Indoor - General according to EN50131
Operating temperature		0°C ÷ +40°C	
Storage temperature		0°C ÷ +40°C	
Relative humidity		up to 75% non-condensing	
General		Certifications	
Dimensions		78 x 37 x 22 mm	
Weight		0.07Kg	
Warranty		3 years	
Certifications		CE	



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Access Timer

Asguard TMR



- Count-down timer for access control filters
- 3 year Warranty

Description

Asguard TMR is 3 digit counter for access control filters.

Features

Asguard TMR shows the remaining time for an access. It is triggered by the Asguard ACM

Interoperability

Asguard TMR operates only in connection with Asguard ACM.

Connectivity

Asguard TMR connects on the open collector outputs of the ACM.

Ease of Installation

Asguard TMR is supplied with cable leads for easy installation.

Technical Specification Asguard TMR Access Timer

Access delay counter		Power	
Display	3 digits 7 segment red LED	Power input	5Vdc
Connection	Wiegand (D0, D1)	Power consumption	75 mA
Part Numbers		Environmental	
Asguard TMR	0065-01008	Environmental class	Class II - Indoor - General according to EN50131
		Operating temperature	0°C ÷ +40°C
		Storage temperature	0°C ÷ +40°C
		Relative humidity	up to 75% non-condensing
General			
		Dimensions	52 x 37 x 20 mm
		Weight	0.03Kg
		Warranty	3 years
		Certifications	CE

The Asguard TMR uses the 2 open collector outputs of the Asguard ACM.

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