# ATS1235

## 16 to 32 zones Gen2 868AM wireless receiver including plastic housing

### Product overview

The ATS1235 Advanced Wireless Data Gathering Panel (DGP) receiver adds wireless capabilities to the Axon, Advisor Advanced & Master panels using Aritech 868 MHz Gen 2 Wireless Sensors: i.e. PIR, Glassbreak etc. Maximum distance from the panel is 1500 m.

The ATS1235 features spatial diversity to minimize wireless signal nulls or dead spots and has a nominal open-air receiving range of 400 m. If dead spots need to be eliminated, a 868 MHz repeater may be used. It can be powered from the control panel databus or a remote auxiliary power supply.

Fob buttons may be programmed for users to arm and disarm or to control relays.

With ATS1235 Advanced wireless expanders, the control panel becomes a hybrid system where one can optimize the system by distributing receivers in the premises.

The ATS1235 is EN50131 Grade 2 approved.

### Expanders

Expanders are used to expand the number of alarm inputs in an Axon or an Advisor Advanced system. Expanders allow inputs and outputs/relays to be connected at a location remote from an Axon or an Advisor Advanced panel. Expanders communicate via poll & reply messages. Detectors, door contacts and other detection devices are connected to expanders that report any change of state to the control panel for processing. Available expanders include support for conventional devices, wireless devices as well as intelligent addressable devices. A special expander is available, providing expansion of four to eight intelligent doors or lifts.

Up to 30 expanders can be connected to an Axon or an Advisor Advanced, depending on the variant.

### System databus connection

The system databus is used to connect expanders as well as keypads and readers (RASs) to the Axon panel or the Advisor Advanced control panel. Remote devices can be up to 1.5 km from a control panels when using the preferred wiring and cable types. Keypads, readers and expanders have to be connected via a 2 pair twisted and shielded data cable to the system databus connection to achieve this. (WCAT52 is recommended). Daisy chain is the preferred wiring method. The shield of the data cable should be connected to earth at the control panel and should be left disconnected at any other end.

If a failure in communication occurs, the expander remembers the last alarm in a system preventing loss of an alarm due to a short interruption in data communication.




### Details

- Expands the Axon panel or the Advisor Advanced panel with 32 wireless zones
- 868 MHz Wireless GEN2 Sensors
- Quick configuration using the Aritech "Learn Mode" technology
- Features spatial diversity to minimize wireless dead spots and has a nominal open-air receiving range of 460 m
- Use the Aritech 868 MHz repeater to improve range
- Powered from the control panel databus or a remote auxiliary power supply
- Fob buttons may be programmed for users to arm and disarm or to control relays
- To remotely open and close a garage door as well as arm or disarm an office security system

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## Technical specifications

### General

| | |
|---|---|
| Expander type | Trådløs udvidelse |
| Product line | Advisor Advanced, ATS Master, Axon |
| Connection type | Databus connection |
| Compatibility | 868 MHz Gen2 sensors, ATS Advanced FW v017.017.0067 or higher, ATS Master FW v04.09.16 or higher, Axon MR1.0 or higher0 |
| Max. distance from panel | 1.5 km |
| Max. per panel | 15 / 30 (depending on panel type) |
| Specified cable | WCAT52 / WCAT54 or equivalent |

### System

| | |
|---|---|
| Addressing | DIP Switches |

### Inputs

| | |
|---|---|
| Total | 32 |
| No. of wireless zones | 32 (16 wireless keyfobs) |

### Wireless

| | |
|---|---|
| Operating frequency | 868 MHz AM |
| Wireless open-air range | 400 m |

### Electrical

| | |
|---|---|
| Operating voltage | 9.5 to 14.4 VDC |
| Current consumption | 77 mA |
| Integrated power supply | No |

### Physical

| | |
|---|---|
| Physical dimensions | 165 x 115 x 40 mm |
| Net weight | 350 g |

### Environmental

| | |
|---|---|
| Operating temperature | -10 to +55°C |
| Relative humidity | 95% noncondensing |
| Environment | EN50130-5 ; Klasse II - Binnen (algemeen) |

### Regulatory

| | |
|---|---|
| Compliancy | CE |
| Certification | CE, EN50131 Grade 2 |

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