GAT UHF Reader

Hands-free UHF compact reader
Single-unit and gate versions

High-performance hands-free access control

The GAT is an extremely compact high-performance UHF reader. It has been developed for hands-free access control applications and can identify people moving in a corridor up to 2 or 4 m wide. The GAT reader is available in single or dual-antenna versions, with an optional passage sensor system that can count people and log their direction of passage. The reader can be installed indoors or outdoors.

Total coverage and reliable reading performance

The GAT hands-free reader includes the latest STid URF module (UHF Full Power Module) and an innovative dual-antenna system and automatically maximises the coverage area to give an optimal performance in reading tags. It is an ideal system for identifying moving people.

Single-unit and gate versions

Two versions are available to ensure the highest level of performance, whatever the configuration of your building: a single-unit version (2 built-in antennas) or a gate version (2 x 2 antennas). The single-unit version covers an identification range of up to two metres*. The gate version extends the reader's coverage to four metres*.

Easy to integrate and install

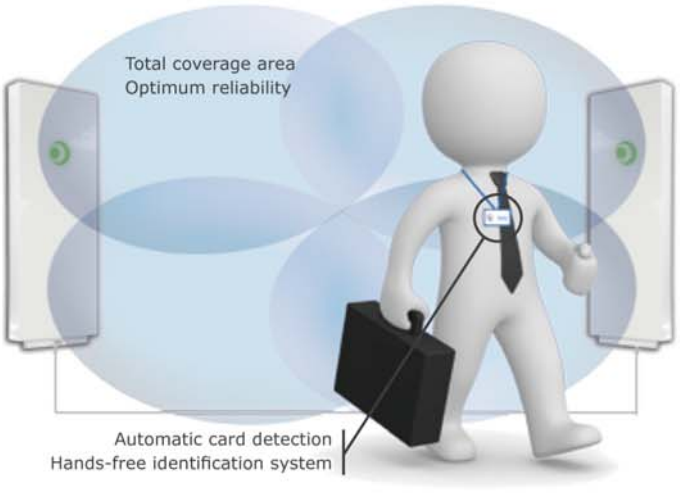
The reader's slimline design (80 cm x 30 cm x 5 cm) and electronics have been specially developed for discreet integration in all areas of a building, where identification may be a requirement – entrance foyer, corridors, etc.
The GAT UHF reader requires no electronic configuration and can be very quickly and easily installed and activated.
The system is immediately compatible with existing access control systems, using standard communication interfaces (Data/Clock, Wiegand, RS232).

Strength

The mechanical design of the GAT reader has been developed to withstand crowded environments. The GAT is rated IP65 and can be installed indoors or outdoors.

Direction sensors and counter function (optional)

Your contactless identification system gets even smarter in the RS485 version with passage sensor. It can be used to identify everyone who walks by without carrying an ID card, but it can also count and analyse the direction of travel of those people in a predetermined zone.



***Caution**: information about communication range: Distances measured with a specific ISO card, referenced by STid. Actual range depends on reader set-up. External interference can lead to shorter distances.

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Specifications

Operating frequency/standards	UHF - ETSI version 302-208: 866 MHz or FCC version: 915 MHz
Chip compatibility	EPC1 Gen 2 / ISO18000-6C
Functions	Read only (Read/write version available, contact-us)
Reading distances*	GAT single-unit: up to 2 m with a UHF ISO STid card GAT gate versions: up to 4 m witha UHF ISO STid card
Anticollision system	Yes
Communication interfaces	*- TTL - ISO2 (Data Clock) or Wiegand protocols* *- RS232* *- RS485*
Connections	2x13 pin terminal block RS232 and RS485 versions: 8-pin plug-in terminal block
Reading indicator	Led (green/orange/red) and buzzer
Power requirement	2.5 A max /12V DC
Power supply	9/36V - power supply as an option typ.12VDC
Material	White PVC - Fire classification M1 (non-flammable)
Dimensions	80 x 30 x 5 cm (without fixation)
Operating temperatures	- 20°C to + 55°C - Inside / outside use
Resistance	IP 65
Mounting	Free-standing or wall-mounted

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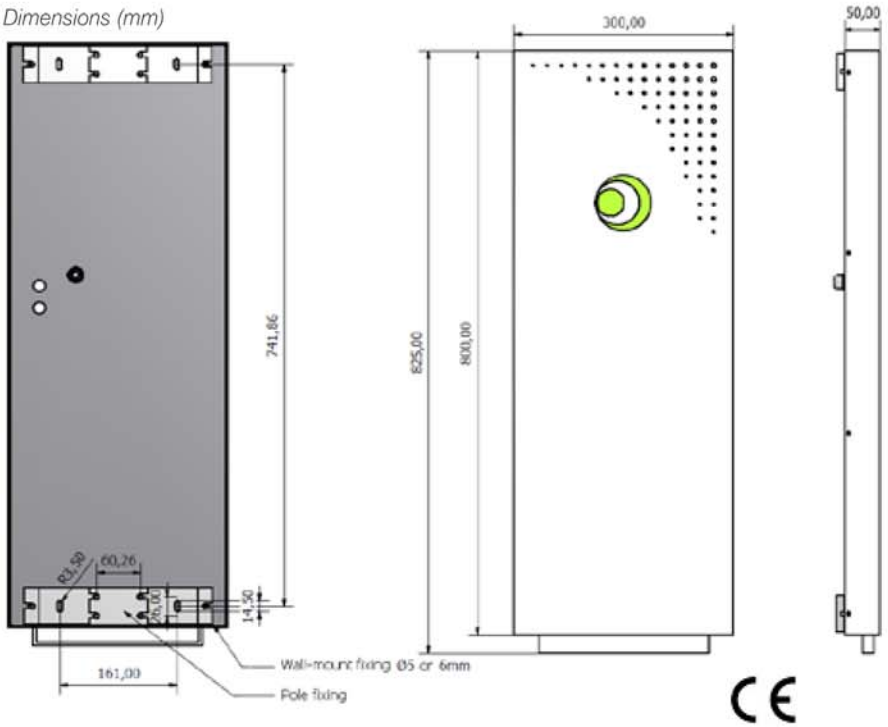
Part number
GAT-R41-E/U04-xx/2 *ETSI TTL version* GAT-R42-E/U04-xx/2 *ETSI RS232 version* GAT-R43-E/U04-xx/2 *ETSI RS485 version* GAT-R51-E/U04-xx/2 *FCC TTL version* GAT-R52-E/U04-xx/2 *FCC RS232 version* GAT-R53-E/U04-xx/2 *FCC RS485 version* GAT-R43-F/U04-7AC/2 *ETSI RS485 version with optional count*

The GAT range also includes a read/write version and a large selection of communication interfaces

Dimensions (mm)



Approved STid reseller

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