

# GAT Info 6100 BA Information Terminal

## Application

The GAT Info 6100 BA is a stylish terminal for displaying visitor information in leisure facilities, universities, companies, and depots. System users are identified at the information terminal via contactless RFID data carriers (Radio Frequency Identification) or NFC technology.

Information for user guidance is provided via a graphical monochrome display (LCD) with the display layout and language being selectable. The multifunction reader allows the flexible use of the terminal and the use of different data carrier types.



GAT Info 6100 BA

## Functional description

To use a GAT Info 6100 BA, the visitor holds their data carrier next to the RFID reading field at the bottom of the device. The GAT Info 6100 BA reads the data carrier of the visitor then displays relevant information such as their locker number, credit balance, or visit duration, etc. The information displayed by the GAT Info 6100 BA to the visitor is configurable.

## Highlights

- Secure data transmission between terminal and data carrier
- User guidance via monochrome LCD, 4-segment LED display, illuminated scan field, and beeper
- 13.56 MHz RFID frequency
- Read and write LEGIC prime and LEGIC advant data carriers
- Read the unique number of MIFARE, ISO 14443B, ISO 15693, and HID iClass data carriers for online function
- Plug & Play installation

## Order information

Description	Part No.
<b>GAT Info 6100 BA</b>	858938
Information terminal for the reading of locker numbers, account balances, etc., from LEGIC advant data carriers, with monochrome LCD	

## Accessories

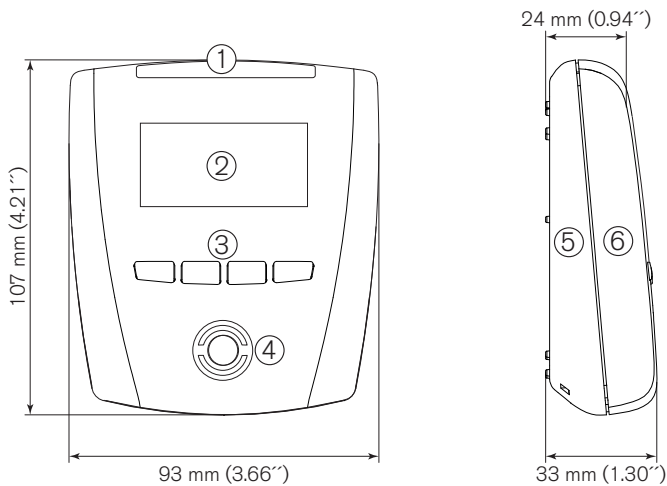
Description	Part No.
<b>GAT Reader WK</b>	581683
Tool to open the reader housing	

## Technical data

Nominal voltage:	DC 12/24 V - LPS: Limited Power Source - SELV: Safety Extra-Low Voltage
Permitted input voltage:	DC 10 to 28 V
Current consumption:	300 mA
Max. transmission power:	200 mW
Data storage:	Internal EEPROM memory for configuration and booking data, data preservation min. 10 years
Internal clock:	- Quartz-controlled, real-time clock - Time preservation approx. 12 h
Reader type:	Multi-technology reader (LEGIC advant): - LEGIC prime (segments and UID) - LEGIC advant (segments and UID) - ISO 15693 (UID) - MIFARE / ISO 14443 (UID) - HID iClass (UID)
Frequency reading field:	13.56 MHz
Host interface:	Ethernet 10/100 Mbit/s
Connection terminals:	0.5 to 1.5 mm <sup>2</sup>
Control elements:	- 4 function keys - RFID reader

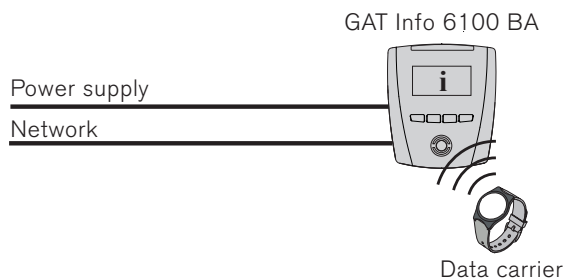
Display elements:	- Graphical monochrome display (LCD) with white LED backlighting, resolution 128 x 64 pixels, visible area 50 x 25 mm - RFID reader (illuminated) - Acoustic signal - Multi-colored, 4-segment LED indicator (green/red/yellow)
Housing material:	- Front part: plastic PMMA - Rear part: plastic PC-ABS
Dimensions:	93 x 107 x 33 mm (3.66" x 4.21" x 1.30")
Weight:	200 g (7.05 oz)
Permitted ambient temperature:	-10 °C to +55 °C (+14 °F to +131 °F)
Storage temperature:	-20 °C to +70 °C (-4 °F to +158 °F)
Relative humidity:	20 to 80%, non-condensing
Protection type:	IP 54
Protection class:	III
Environment class based on VdS 2110:	II (conditions in indoor areas)
Compliance:	CE

## Dimensions



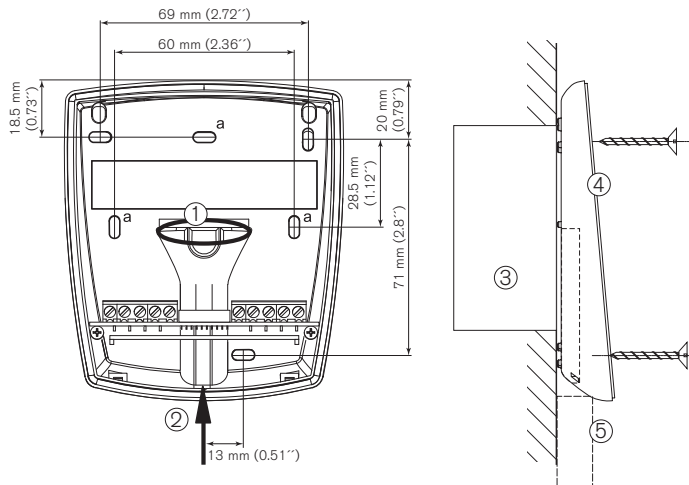
1. 4-segment LED indicator
2. Monochrome display (LCD)
3. Function keys
4. Illuminated scan field
5. Device rear part
6. Device front part

## Typical application



## Installation instructions

The rear part of the device attaches to a flat surface (e.g., concrete wall) using screws. If attaching to an uneven surface, the rear part must not be distorted as this prevents the correct connection of the device front part. Recommended mounting height: 1.3 m to middle of device.



1. Flush-mounted cabling access
2. Surface-mounted cabling access
3. Back box
4. Device rear part
5. Conduit for surface-mounted cabling
6. Mounting hole for back box
7. Mounting hole

### Installation

- The cabling can be flush mounted (1) or surface mounted (2).
- For surface-mounted cabling, ensure the cabling can still be inserted once the device rear part has been mounted. Otherwise, run the cabling through the cable lead-ins prior to securing.
- For flush-mounted cabling, ensure that the outlet for the cable is covered after mounting the rear part.
- When mounting the device in a standard back box, use the three mounting holes marked 6 in the diagram. When mounting the device to a wall, use the three mounting holes marked 7 in the diagram.
- Attach the device rear part to the wall using three screws. Use the correct type of screws and dowels according to the wall material and ensure that the rear part is attached securely.
- Complete the electrical connections according to the instructions on page 4.

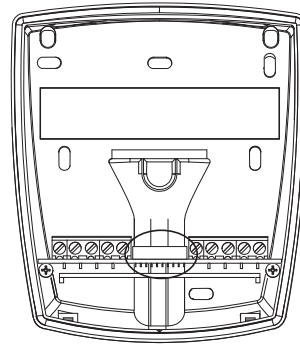


**CAUTION!** The electrical connections must be made in a powerless state.

### Attaching the device front part

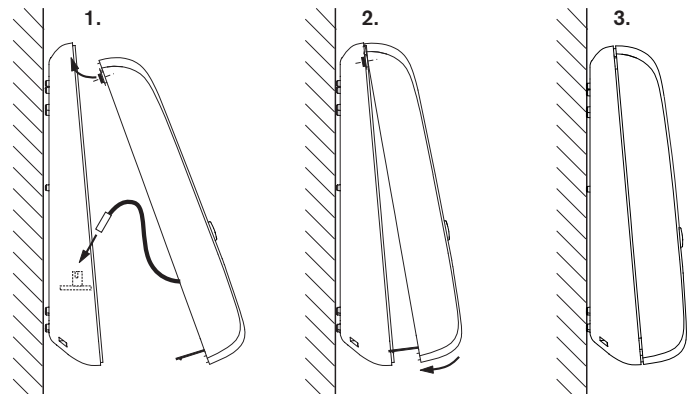
After installing the device rear part and completing the electrical connections, the device front part attaches to the rear part as follows.

- Ensure that the socket in the device rear part (circled below) is free from dust and moisture.



**NOTE!** If cleaning is required, do not use any aggressive detergents and take care not to damage the contacts. Only clean the device in a powerless state.

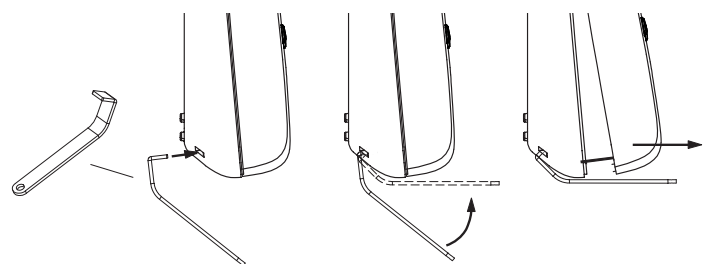
- Ensure that the cabling is stored safely and will not be damaged when the front part is attached.
- Plug the connection cable into the socket on the device rear part.
- Hook the top of the front part into the top of the rear part.
- Swing the bottom of the front part forward until it clicks into place in the rear part.



### Removing the device front part

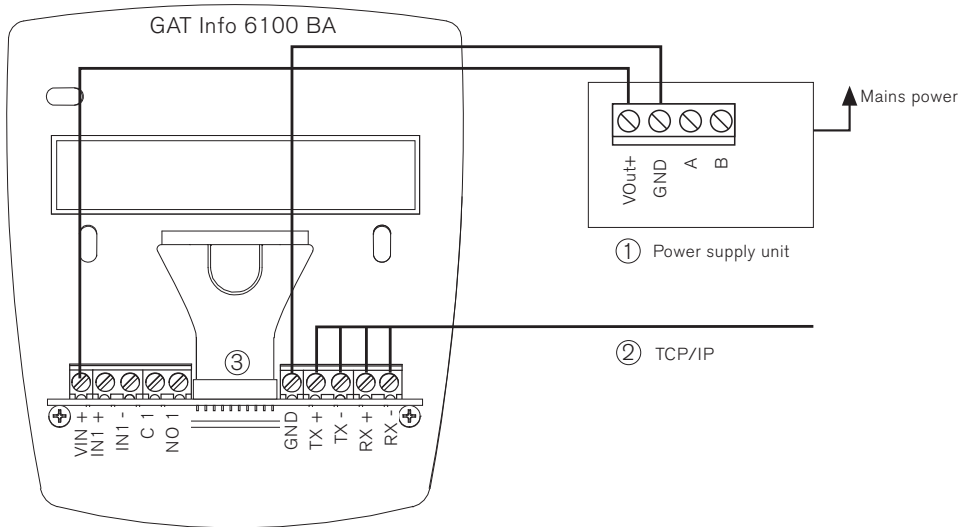
The device can only be opened using the supplied special tool (Part No.: 581683).

- Use the special tool to release the two catches on the bottom of the device in succession.
- Carefully swing the device front part forward.



## Electrical connections

### TCP/IP with external power supply



#### Power supply

DC power (see technical data) supplied by a separate power supply unit (LPS and SELV - Limited Power Source and Safety Extra Low Voltage) (1). The power input is protected against reverse polarity.

#### Connection to the device front part

The socket (3) for the connection cable between the device front and rear parts must be clean to ensure correct operation.

#### Relay output

No function.

#### Optocoupler input

No function.

#### Network

Ethernet connection (2) via screw terminals.

#### Recommended cabling



Ethernet: min. CAT 5 (STP) for 100 MBit


#### Wiring standard

Ethernet 10/100 MBit


	568A	568B
TX +	green/white	orange/white
TX -	green	orange
RX +	orange/white	green/white
RX -	orange	green


#### Safety instructions

-  - This device must be installed by qualified personnel only.
- The applicable safety and accident prevention regulations must be observed.
- Safety devices must not be removed.
- Please observe the technical data of the device specified on the data sheet.
-  - The device must be disconnected from the power supply prior to installation, assembling or dismantling.

 This product is herewith confirmed to comply with the requirements set out in the Council Directives on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive 2004/108/EG. This product is in conformity with the following EC directives, including all applicable amendments:

- 1999/5/EC (R&TTE directive)
- 2004/40/EC (Limitation of human exposure to electromagnetic fields)
- 2011/65/EU (Restriction of the use of certain hazardous substances in electrical and electronic equipment)

 The WEEE symbol on GANTNER products and their packaging indicates that the corresponding material must not be disposed of with normal household waste. Instead, such marked waste equipment must be disposed of by a designated electronic waste recycling facility. Separating and recycling this waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information on recycling an item marked with the WEEE symbol, please contact your local city office or your household waste disposal operation.

 GANTNER is committed to meeting or exceeding the requirements of the RoHS directive (2011/65/EU). The RoHS directive requires that manufacturers eliminate or minimize the use of lead, mercury, hexavalent chromium, cadmium, polybrominated biphenyls and polybrominated diphenyl ethers in electrical and electronic equipment sold in the EU after July 1, 2006.