GAT Info 6100
Information Terminal

Application

The GAT Info 6100 is a stylish terminal for displaying visitor information in leisure facilities, universities, companies, and depots. System users are identified at the terminal via contactless RFID data carriers (Radio Frequency Identification) or NFC technology.
Information for user guidance is provided via a graphical monochrome display (LCD). The different models in the range (see order information) provide support for most popular RFID technologies.

GAT Info 6100

Functional description

To use a GAT Info 6100, the visitor holds their data carrier next to the RFID reading field at the bottom of the device. The GAT Info 6100 reads the data carrier of the visitor then displays relevant information such as their locker number, credit balance, or visit duration, etc. The information that will be displayed by the GAT Info 6100 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
- Three models available for reading LEGIC, MIFARE®, and ISO 15693 data carriers
- Plug & Play installation

Order information

Description	Part No.
GAT Info 6100 B Information terminal for the display of locker numbers, account balances, etc., for LEGIC data carriers, monochrome LCD	776790
GAT Info 6100 F Information terminal for the display of locker numbers, account balances, etc., for MIFARE® data carriers, monochrome LCD	776891
GAT Info 6100 ISO Information terminal for the display of locker numbers, account balances, etc., for ISO 15693 data carriers, monochrome LCD	653380

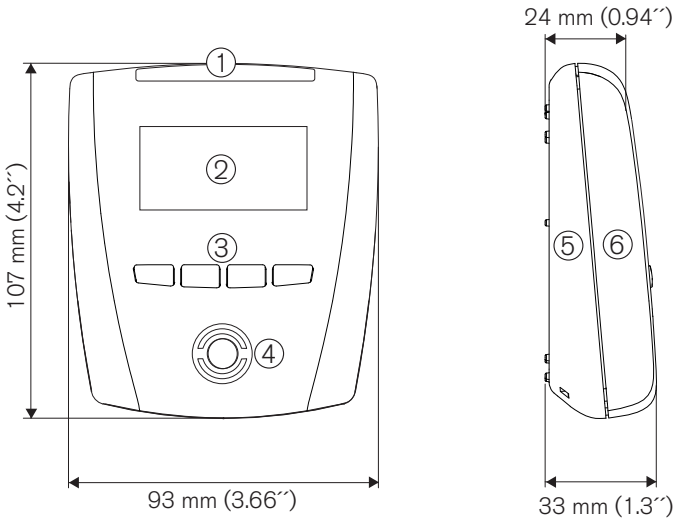
Accessories

Description	Part No.
GAT Reader WK Tool to open the reader housing	581683

Technical data

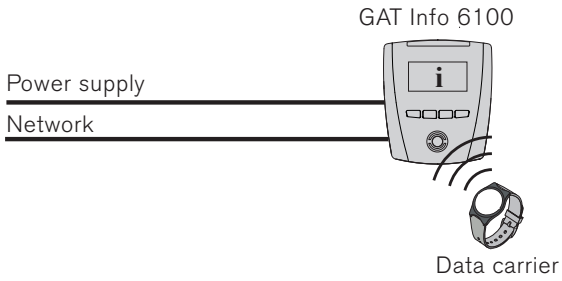
Nominal voltage:	DC 12/24 V - LPS: Limited Power Source - SELV: Safety Extra-Low Voltage
Permitted input voltage:	DC 10 to 28 V
Current consumption:	300 mA
Data storage:	Internal EEPROM memory for configuration and booking data, data preservation min. 10 years
Internal clock:	- Quartz-controlled, real-time clock - Time preservation approx. 12 h
Reader type:	See order information
Frequency reading field:	13.56 MHz
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)
Control elements:	- 4 function keys - RFID reader
Host interface:	Ethernet 10/100 Mbit/s
Connection terminals:	0.5 to 1.5 mm²
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, FCC, CB

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



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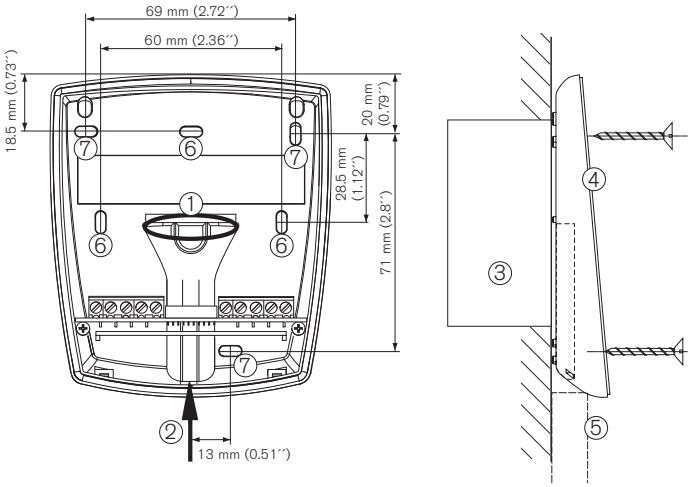
Installation instructions

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

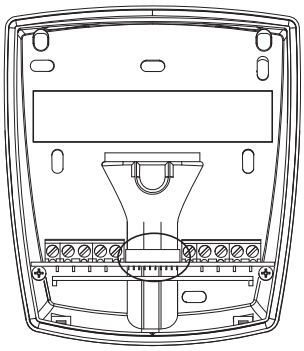
- The cabling can be flush mounted (1) or surface mounted (2).
- For surface-mounted cabling, ensure the cabling can still be inserted once the device rear part has been mounted. Otherwise, run the cabling through the cable lead-ins prior to securing.
- For flush-mounted cabling, ensure that the outlet 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

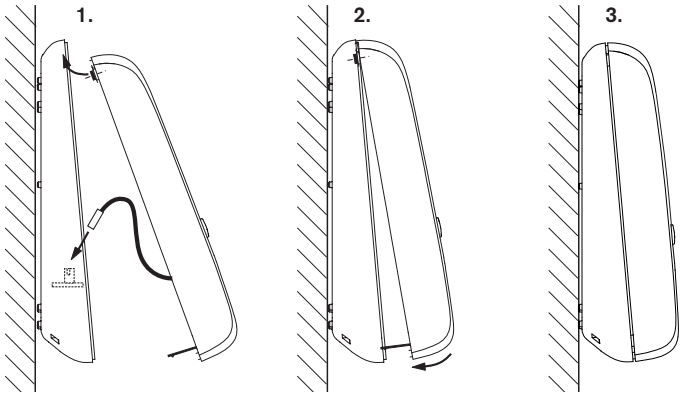
After installing the device rear part and completing the electrical connections, the device front part attaches to the rear part as follows.

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



NOTICE! 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.

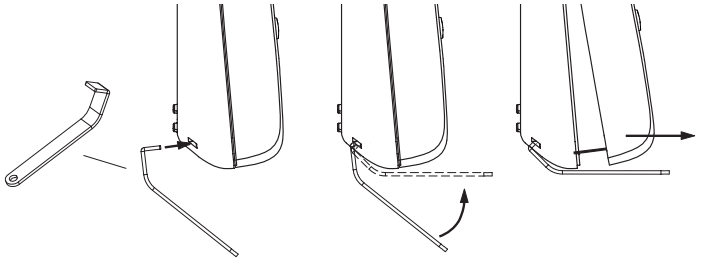
- Ensure that the cabling is stored safely and will not be damaged when the front part is attached.
- Plug the connection cable into the socket on the device rear part.
- Hook the top of the front part into the top of the rear part.
- Swing the bottom of the front part forward until it clicks into place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



Removing the device front part

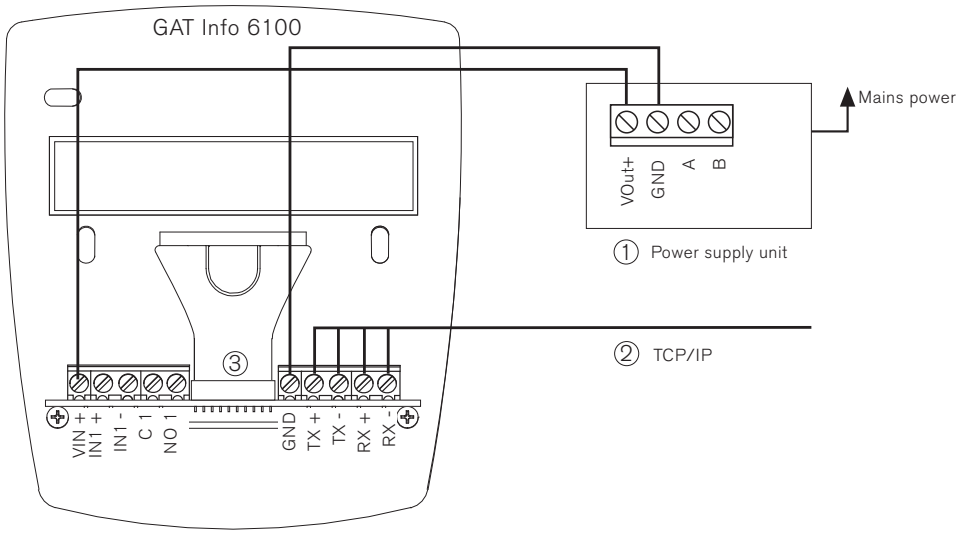
The device can only be opened using the supplied special tool (Part No.: 581683).

- 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 Statesrelating 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.

Applicable for the following devices:
- GAT Info 6100 F

FCC NOTICE (Class B)
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, included interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that of which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Warning Statement
[Any] changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 chro-mium, cadmium, polybrominated biphenyls and polybrominated diphenyl ethers in electrical and electronic equipment sold in the EU after July 1, 2006.

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