

GC7.3000

Access Controller

FACTS AT A GLANCE

- All popular RFID technologies supported - LEGIC, MIFARE®, ISO 15693
- Activation of turnstiles, doors, etc., via 6 relay outputs
- 4 x optocoupler inputs for status feedback
- Maximum connectivity via Ethernet, RS-232, RS-485, USB, and Wiegand interfaces
- Change of function possible via different apps
- Optional USB stick for communication via WiFi
- Simple integration into Relaxx or access control software
- Easy device configuration via G7 Connect
- Robust housing also suitable for wall mounting



By executing a respective app on the device, the multifunctional GC7 controllers enable, among other functions, the control of turnstiles and doors (Access App) or as the main controller for locker systems (Main Controller App).

The GC7.3000 is typically installed in a secure area. To gain access to a restricted area, the user must first identify themselves at the externally connectable RFID reader using their personal data carrier. When the authorization is valid, the GC7.3000 releases the connected door or turnstile thus granting access to the area.

Flexibility is ensured by the different types of GANTNER readers that support all popular RFID technologies (LEGIC, MIFARE®, ISO 15693) or barcode/QR code scanners. There are also different types of data carriers available for access such as cards, wristbands, and key tags.

In addition, the optional WLAN Stick (see "Order Information & Accessories") makes it possible for the controller to communicate via WiFi for data exchange with the management software. Authentication methods according to 802.1x are supported and secure communication via SSL/TLS is also possible.



Order information & accessories

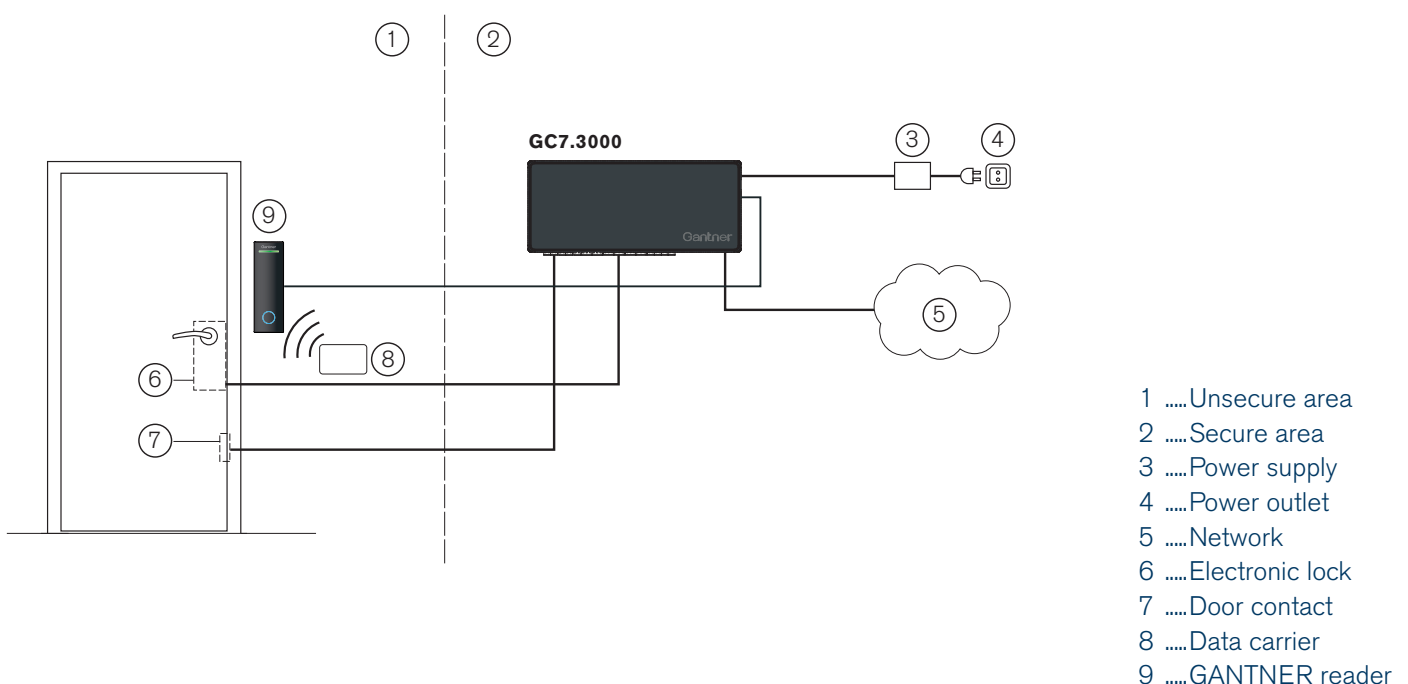
Description	Part No.
GC7.3000 Multifunctional controller with G7 Access App, Interfaces: 1 x Ethernet, 2 x RS-232, 2 x RS-485, 2 x USB, 1 x Wiegand, 4 x optocoupler inputs, 6 x relay outputs	1103557
GAT NET.Power Supply 7020-1 100-240V / VI Power supply for the GC7.3000 controller	1104784
WLAN Stick Archer T2U Nano USB 2.0 stick for data transmission via WLAN, suitable for use in GT7 and GC7 devices WLAN standards: 802.11b/g/n/ac (2.4 GHz / 5 GHz)	1108854
G7 Connect GO - GSC The G7 Connect GO Gantner Service Contract for the use of one device (GT7 or GC7) in G7 Connect	1107095
GBS7.1100 1D and 2D barcode scanner, flush-mounted version, dimensions: 78.7 x 67.7 x 47.5 mm, RS-232 interface, without power supply	1110563
GBS7.1200 1D and 2D barcode scanner, surface-mounted version, RS-232 interface, without power supply	1110840

The following GANTNER readers can be used with the GC7.3000:

- All readers of the GR7.x3xx series
- All readers of the GAT SR 73xx series
- All readers of the GAT SLR 73xx series
- GAT SR 7380

See the respective documentation for order information.

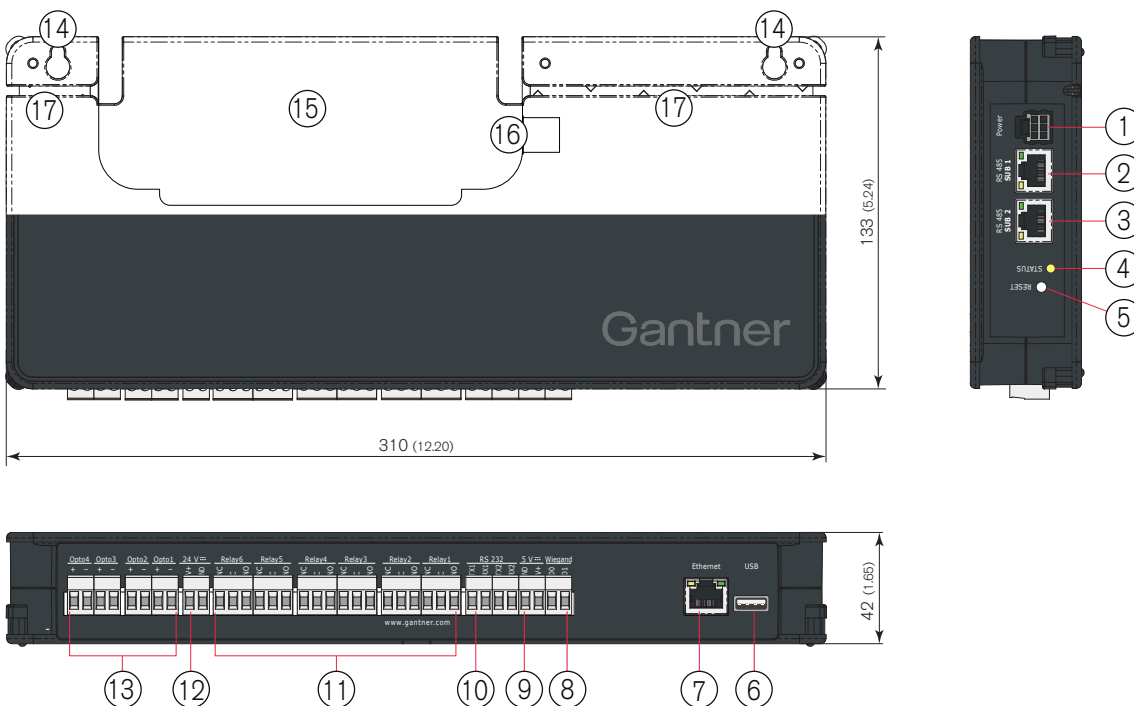
Typical Application



Technical data

Nominal voltage:	DC 24 V
Power supply:	GAT NET.Power Supply 7020-1 100-240V / VI
Average power consumption:	typ. 3 W
Authentication:	802.1x
Security:	SSL/TLS
Interface to server:	Ethernet
Connectors	
- Server (Ethernet):	RJ45
- Power:	6-pin MOLEX
- Relay/optocoupler/RS-232, etc.	Screw terminal
Digital inputs:	4 x optocouplers (function configurable)
Digital outputs:	6 x relays (NO/NC, function configurable)
Weight:	Approx. 600 g (21.2 oz)
Housing material:	Plastic (ABS - VO)
Permitted ambient temperature:	0 °C to 60 °C (32 °F to 140 °F)
Protection type:	IP 40
Protection class:	I
Environment class (VdS 2110):	II (conditions in indoor areas)
Compliance:	CE, FCC, IC, ETL

Device features and dimensions



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|----------------------------|-----------------------|--------------------------------|
| 1 Power supply input | 7 Ethernet | 13 .. Optocoupler inputs |
| 2 RS-485 SUB 1 | 8 Wiegand | 14 .. Mounting hole |
| 3 RS-485 SUB 2 | 9 DC 5 V output | 15 .. Power supply compartment |
| 4 Status LED | 10 .. RS-232 | 16 .. USB port (optional WLAN) |
| 5 RESET button | 11 .. Relay outputs | 17 .. Cable holder |
| 6 USB port | 12 .. DC 24 V output | |

Dimensions in mm (inches in brackets)