

GC7.2000 M (lite)

Main controller for the GAT NET.Lock 7020 system

FACTS AT A GLANCE

- Supports all common GAT NET sub controllers for a wide range of RFID technologies (13.56 MHz and 125 kHz) - LEGIC, MIFARE®, ISO 15693, HID iCLASS® and GAP7 for networking BLE battery locks
- Change of function possible via different apps
- Two controller types for max. 3 or 8 sub devices per main controller (e.g. sub controllers, GAP7, GR7)
- Optional USB stick for data transfer via WiFi
- Simple integration into eLoxx Relaxx locker management software
- Simple device configuration via G7 Connect
- LED status indicator
- 2 x relay outputs and 2 x optocoupler inputs
- Robust housing also suitable for wall mounting



By executing a respective app on the device, the multifunctional GC7 controllers enable, among other things, the connection to networked lockers (Main App), the execution of locker management software (embedded Relaxx App), or the control of turnstiles and doors (Access App).

Users identify themselves at the locker lock or at the externally connectable RFID (Radio Frequency Identification)/NFC (Near Field Communication) reader using their personal data carriers.

Flexibility is ensured by the different sub controller models that support two RFID frequencies (13.56 MHz and 125 kHz) and all popular technologies (LEGIC, MIFARE®, ISO 15693, and HID iCLASS®).

The **GC7.2000 M** can control up to 8 sub controllers and 192 locks or SMART.Lock devices via a maximum cable length of 800 m. For smaller systems, the **GC7.2000 M lite** is available to control up to 3 sub controllers and a maximum of 72 NET.Lock or SMART.Lock devices. Alternatively, instead of the sub controllers, 8 or 3 GAP7 units can be operated on the GC7 to network BLE-enabled battery locks with the GC7. Mixed operation of sub controllers and GAP7 devices is not supported.

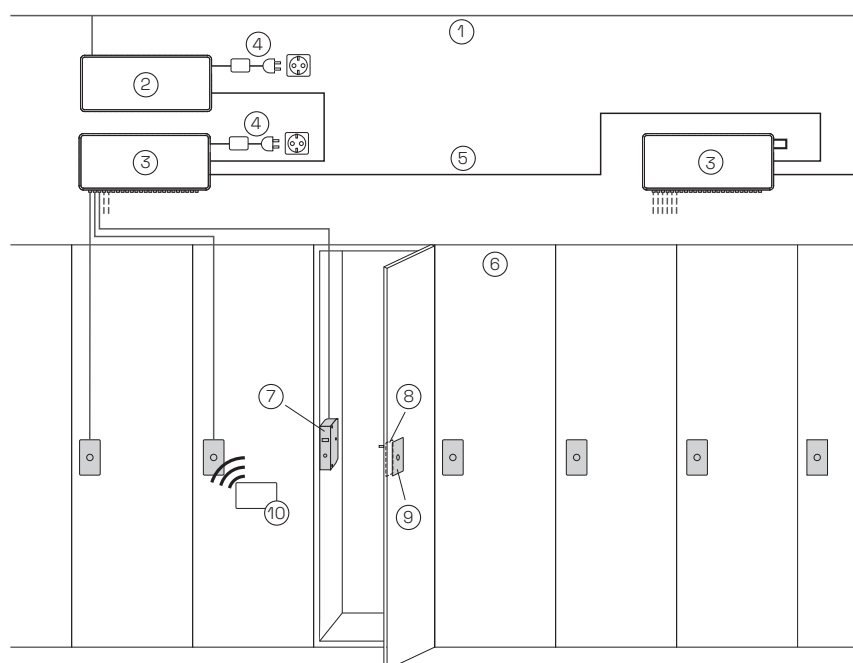
In addition, the optional Wlan Stick (see "Order information") makes it possible for the controller to communicate via WiFi for data exchange with the management software. Authentication methods according to 802.1x are supported and secure communication via SSL/TLS is also possible.



Order information

Description	Part No.
GC7.2000 M Main controller for controlling max. 8 GAT NET.Controller S 70x0 sub controllers.	1103558
GC7.2000 M lite Main controller for controlling max. 3 GAT NET.Controller S 70x0 sub controllers.	1103559
GAT NET.Controller S 7020 F/ISO Sub controller for 24 GAT NET.Lock 70x0, for MIFARE®, ISO 15693, and proxy 125 kHz data carriers.	1100388
GAT NET.Controller S 7020 F/ISO Light Sub controller for 12 GAT NET.Lock 70x0, for MIFARE®, ISO 15693, and proxy 125 kHz data carriers.	1100389
GAT NET.Controller S 7020 BA Sub controller for 24 GAT NET.Lock 70x0, for LEGIC advant and proxy 125 kHz data carriers.	1100387
GAT NET.Controller S 7020 ICLS Sub controller for 24 GAT NET.Lock 70x0, for HID iCLASS® and proxy 125 kHz data carriers.	1100390
GAP7.1000 Access point for bidirectional communication with NW battery locks, connected via RS-485 interface to a G7 device with G7 Main Controller App.	1113742
GAT NET.Power Supply 7020-1 100-240V / VI Power supply for the main and sub controllers.	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 Device License Points Main Controller 50 license points for upgrading a GC7.2000 M lite to a GC7.2000 M (control of up to 8 sub controllers).	1104588
NOTE: A complete list of system components is provided in the GAT NET.Lock 7020 manual.	

Typical application of a GAT NET.Lock system

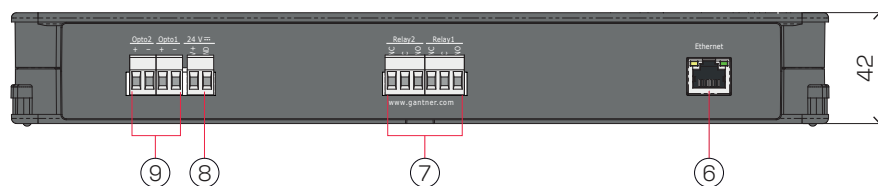
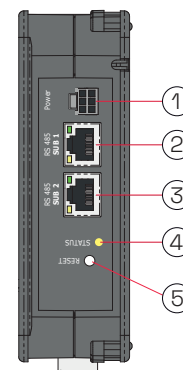
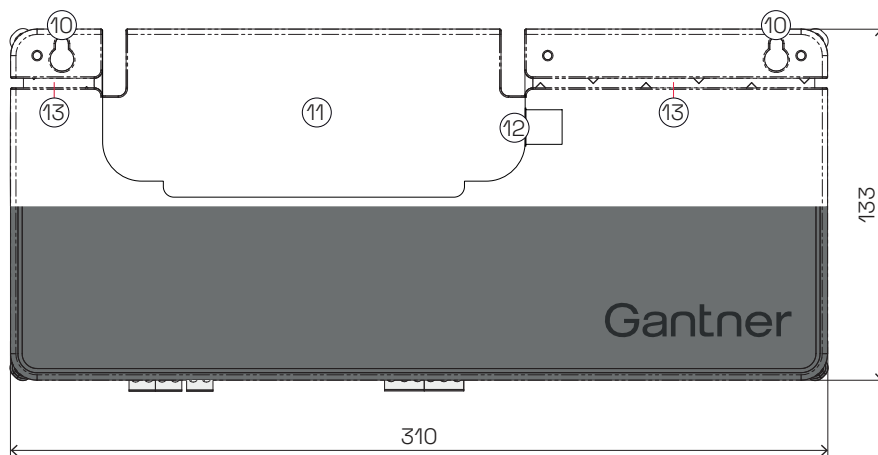


1. Network
2. GC7.2000 M (lite)
3. Sub controller
4. Mains power supply
5. RS-485 + power
6. Row of lockers
7. GAT NET.Lock 7020
8. Bolt set
9. Front label
10. RFID data carrier

Technical data

Nominal voltage:	DC 24 V
Power supply:	GAT NET.Power Supply 7020-1 100-240V / VI
Average power consumption:	Approx. 4 W
Interface to server:	Ethernet
Connectors	
- Main to server (Ethernet):	RJ45
- Main to sub (RS-485):	RJ45
- Power:	6-pin MOLEX
Digital inputs:	2 x optocouplers (function configurable)
Digital outputs:	2 x relays (NO/NC, function configurable)
Weight:	Approx. 600 g (21.2 oz)
Housing material:	Plastic (ABS - V0)
Permitted ambient temperature:	0 °C to 60 °C (32 °F to 140 °F)
Protection type:	IP40
Protection class:	I
Environment class (VdS 2110):	II (indoor conditions)
Compliance:	CE, FCC, IC

Device features and dimensions



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

Dimensions in mm