GAT SMART.Controller S 7020

Sub controller for the locker locks GAT SMART.Lock 7001

FACTS AT A GLANCE

- **Up to 24 GAT SMART.Lock 7001 at one GAT SMART.Controller S 7020**
- **Connection of locks via industry-standard MOLEX automotive plugs**
- **Slim and compact housing**
- **Mains power cables for different countries available**
- **LED status display**
- **RS-485 interface**
- **Firmware update via host interface possible**

The GAT SMART.Controller S 7020 serves as the sub control unit for the GAT SMART.Lock 7001 electronic locks from GANTNER. The GAT SMART.Lock 7001 provides a convenient locking solution for cabinets and lockers used in a range of industries including logistics, offices and hospitals.

Up to 24 GAT SMART.Lock 7001 locks can be connected per GAT SMART.Controller S 7020 sub controller. For larger systems several sub controllers can be connected together.

Different solutions allow for selective opening of lockers - for example a software application on a central server, a GAT NET.Controller M 7020 main controller or a central reader GT7 Central Locker, where the users identify themselves with their RFID (Radio Frequency Identification) data carriers.

The GAT SMART.Lock 7001 locks connect directly to the GAT SMART.Controller S 7020 (up to 24 locks per sub controller). The sub controllers are equipped with a serial RS 485 interface. To connect to a PC/server, a GAT NET.Controller M 7020 main controller or a GT7 Central Locker terminal is used to convert the RS 485 signal to TCP/IP (Ethernet).

MIFARE · ISO 15693 · ISO 14443 · POWER · INDOOR · ONLINE · OFFLINE · EASY & FAST
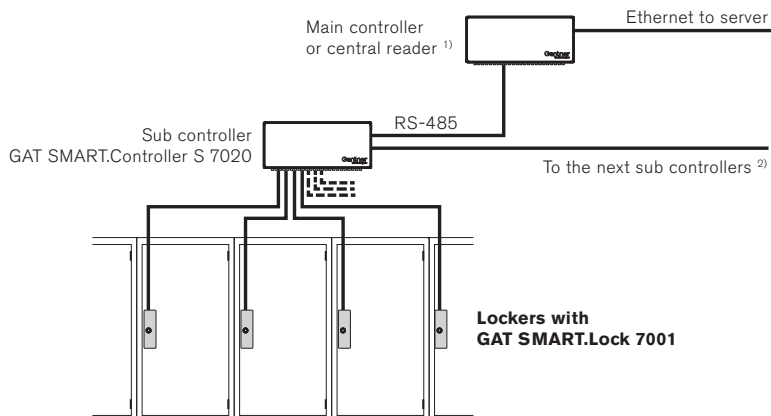
A locker is locked simply by pressing the locker door shut. Two methods are available for unlocking a locker:

- The sub controllers are connected to a central terminal. System users first identify themselves at the central terminal using their personal RFID data carriers in order to unlock their assigned locker(s).
- The sub controllers are connected to a GAT NET.Controller M 7020 main controller and a software application controls the unlocking of the lockers. In this instance, an overview of the locker states is also possible.

Order Information & Accessories

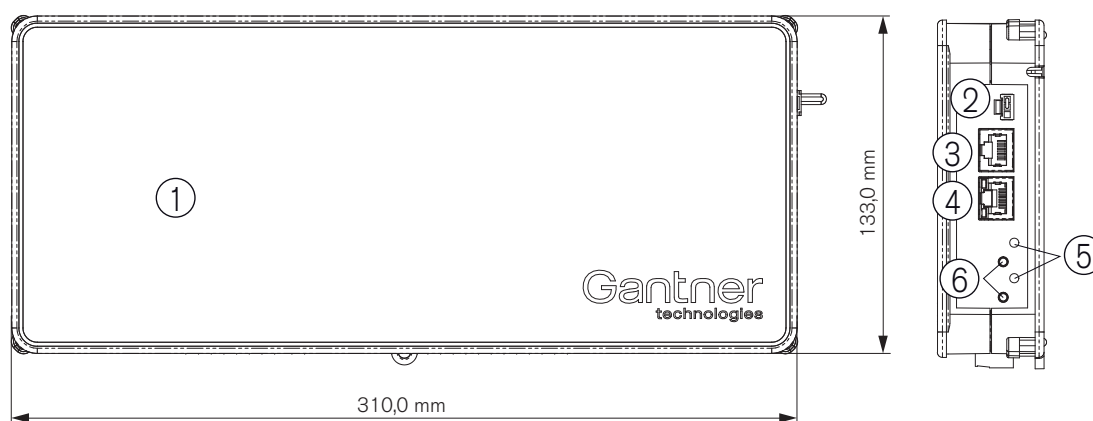| Description	Part No.
GAT SMART.Controller S 7020 Control unit (sub controller) for connection of up to 24 locker locks GAT SMART.Lock 7001.	1101689
GAT NET.Power Supply 7020 100-240V/VI Power supply unit to supply the sub controller.	1100051
Power Cord 2m EU CH - IEC 60320 C7	494181
Power Cord 2m UK - IEC 60320 C7	494282
Power Cord 2m AUS - IEC 60320 C7	511474
Power Cord 2m USA - IEC 60320 C7	636835
Power Cord 2m IND - IEC 60320 C7	636734
2 m mains power cord for GAT NET.Power Supply 7020 100-240V/VI for different socket systems.	
GAT SMART.Lock 7001 Self-locking electronic locker lock with integrated electronic door open status, without bolt set and without door label, plug connection.	369737
GAT SMART.Lock 7001 Bolt Set Door and distance sheet and door shackle for GAT SMART.Lock 7001.	1100400
GAT SMART.Lock Cable 2m OE	229631
GAT SMART.Lock Cable 5m OE	864228
2 m/5 m connection cable to connect the GAT SMART.Lock 7001 to the sub controller, 4-pin plug and open end.	
GAT NET.Lock Cable 5m 5 m Anschlusskabel für GAT SMART.Lock 7001 an Sub Controller, 4-poliger Stecker beidseitig.	734430
GAT NET.Lock Cable Extension 3m 3 meter extension cable for the GAT NET.Lock Cable 5m.	810021

Typical Application

[1] Depending on the requirements a main controller GAT NET.Controller M 7020 or a central reader (GT7 Central Locker) can be used. See the GAT SMART.Lock system manual.

[2] Max. 8 sub controllers per line and max. 800 meters total cable length. See the GAT SMART.Lock system manual.

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Technical Data

Nominal voltage:	DC 24 V
Power supply:	External power supply (GAT NET.Power Supply 7020 100-240V/VI) with different power cables for different socket systems
Average power consumption:	0.5 W
Max. connectable GAT SMART.Lock 7001:	max. 24
Max. GAT SMART.Controller S 7020 per RS-485 line:	- GAT NET.Controller M 7020: max. 8 - GAT NET.Controller M 7020 Light: max. 3
Communication interface:	RS-485
Connectors:	- RS-485 to main controller or central reader: RJ 45 - GAT SMART.Lock 7001: MOLEX, Micro-Fit 3.0™ - Power supply: MOLEX
Housing material:	Plastic (ABS)
Permitted ambient temperature:	0 to +60 °C
Protection type:	IP 40
Protection class:	III
Weight:	approx. 600 g
Environment class based on VdS 2110:	II (conditions in indoor areas)
Compliance:	CE, FCC, IC

Device Features and Dimensions

133,0 mm
310,0 mm
42,0 mm

1 ...GAT SMART.Controller S 7020
2 ...Power supply / Power Plug input
3 ...Serial RS-485 interface (OUT)
4 ...Serial RS-485 interface (IN)
5 ...Status LEDs
6 ...Mode and Reset buttons
7 ...Connectors for the
    GAT SMART.Lock 7001 (24 x)

Measures in mm

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