

GAT NET.Lock 7020

Electronic RFID Locker Lock

FACTS AT A GLANCE

- Operation via RFID data carrier or NFC device
- All popular RFID technologies (13.56 MHz and 125 kHz)
- Different operating modes
- Two controller types for up to 12 or 24 locks per controller
- Reliable data transmission between lock and data carrier
- Standalone mode supported
- Automatic calibration of the RFID field
- LED status indicator (multicolor) and acoustic signaling
- Motorized locking/unlocking for optimum reliability
- No mechanical, internal switches
- Suitable for left- and right-hinged doors and all types of locker materials
- Vandal-proof installation
- Different bolt sets available with integrated RFID booster
- Custom labels for the locker door possible



The GAT NET.Lock 7020 lock is the ideal solution for the convenient electronic locking of lockers in leisure facilities, universities, company offices, and depot compartments.

The locker users are identified by the GAT NET.Lock 7020 using contactless RFID data carriers and NFC technology. To use a locker, the user presses the locker door shut and holds their data carrier or NFC device near the reading field of the GAT NET.Lock 7020. The locking or usage status of the locker is signaled by an LED indicator. The various operating modes enable the flexible use of these locker locks.

The "USB" version of the GAT NET.Lock 7020 is equipped with two USB ports to conveniently charge mobile devices. The large, integrated LED lighting clearly illuminates the locker interior.

The administration of authorizations is completed via locker management software, which allows users to be effortlessly added or removed in the system. The days of lost keys and complicated locker management systems are a thing of the past.

The GAT NET.Lock 7020 is suitable for all locker materials (wood, HPL, solid plastic, glass, and also sheet metal) and can be used with both left and right-hinged locker doors. Thanks to the smooth surface front, the locker is protected against vandalism and allows the customer a wide range of design freedom.



GAT NET.Lock BoltSet 7120

GAT NET.Lock 7020
GAT NET.Lock 7020 P



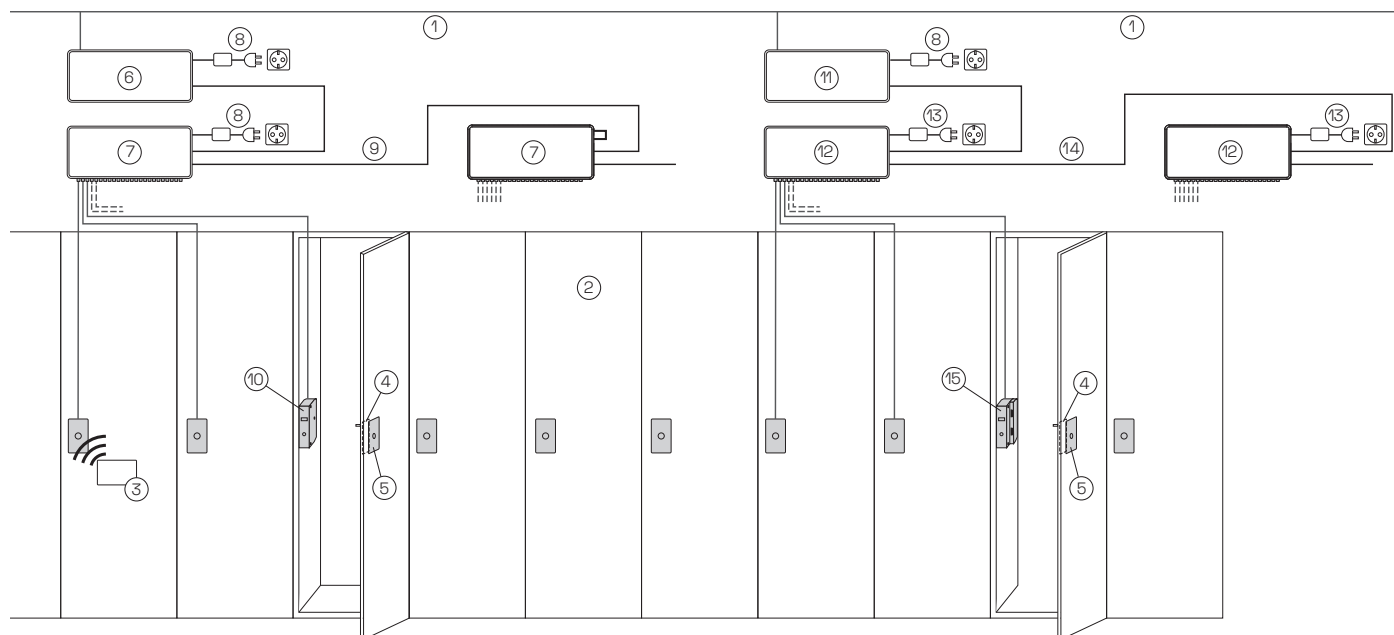
GAT NET.Lock BoltSet 7120

GAT NET.Lock 7020 USB AC
GAT NET.Lock 7020 USB AC P

Order information

Description	Part No.
GAT NET.Lock 7020	1100394
GAT NET.Lock 7020 P	1100391
GAT NET.Lock 7020 USB AC	1106639
GAT NET.Lock 7020 USB AC P	1106640
Electronic RFID locker lock. P = additional 125 kHz proxy reader. USB AC = 1 x USB-A socket, 1 x USB-C socket, and LED locker lighting.	
GAT NET.Lock BoltSet 7120	1100395
Door shackle carrier and booster for non-metallic doors.	
GAT NET.Lock BoltSet 7220	1100396
Door shackle carrier and booster for metallic doors.	
GAT NET.Lock BoltSet 7320	1100397
Door shackle carrier and booster for glass doors.	
GAT LED Plug 8mm	806325
GAT LED Plug 10mm	1101520
LED cover for non-metallic doors for improved visibility of the status LED, suitable for 8 or 10 mm holes.	
GAT NET.Controller M 7020	1100399
Main controller for controlling max. 8 GAT NET.Controller S 7020 sub controllers.	
GAT NET.Controller M 7020 Light	1100398
Main controller for controlling max. 3 GAT NET.Controller S 7020 sub controllers.	
GAT NET.Controller S 7020 F/ISO	1100388
Sub controller for max. 24 GAT NET.Lock 7020 locks for MIFARE®, ISO 15693, and proxy 125 kHz data carriers.	
GAT NET.Controller S 7020 F/ISO light	1100389
Sub controller for max. 12 GAT NET.Lock 7020 with and without USB, for MIFARE®, ISO 15693 and proxy 125 kHz data carriers.	
GAT NET.Controller S 7020 BA	1100387
Sub controller for max. 24 GAT NET.Lock 7020 locks for LEGIC advant and proxy 125 kHz data carriers.	
GAT NET.Controller S 7020 ICLS	1100390
Sub controller for max. 24 GAT NET.Lock 7020 locks for HID iCLASS® and proxy 125 kHz data carriers.	
GAT NET.Power Supply 7020-1 100-240V / VI	1104784
Power supply for the sub and main controllers. Output: 24 V DC / 1.66 A LPS.	
GAT NET.Power Supply 7020 USB 100-240 V / VI	1100052
Power supply for the sub controllers. Type "USB" for the GAT NET.Lock 7020 with USB.	
GAT NET.Lock Cable 5m	734430
5 m cable for the GAT NET.Lock system, 4-pin MICRO-FIT connector on both ends	
GAT NET.Lock Cable Extension 3m	810021
3 m extension cable for the GAT NET.Lock system, male/female 4-pin MICRO-FIT connector	
NOTE: For a complete list of accessories, refer to the GAT NET.Lock 7020 system ordering guide.	

Typical application



1. LAN network
2. Lockers
3. RFID data carrier
4. Bolt set (GAT NET.Lock BoltSet 7xxx)
5. Front label

Different variants of GAT NET.Lock locks and controllers can operate in combination:

6. Main controller 7020 or 7000
7. Sub controller 7020 or 7000
8. GAT NET.Power Supply 7020 (without „USB“) or 7000
9. RS-485 + power
10. GAT NET.Lock 7020 / 7020 P or GAT NET.Lock 7000

To use the USB and LED function, the GAT NET.Lock 7020 USB (P) and the following combination of controllers and power supplies must be used:

11. Main controller 7020 or 7000
12. Sub controller 7020
13. GAT NET.Power Supply 7020 USB
14. RS-485 (without direct power, each sub controller needs its own USB type power supply)
15. GAT NET.Lock 7020 USB or 7020 USB P

Technical data

Nominal voltage:

- | | |
|---------------------------------|---------|
| - GAT NET.Lock 7020 (P): | 5 V DC |
| - GAT NET.Lock 7020 USB AC (P): | 24 V DC |

Power supply:

Via connection cable from sub controller

Average power consumption:

- | | |
|---------------------------------|---|
| - GAT NET.Lock 7020 (P): | 60 mW |
| - GAT NET.Lock 7020 USB AC (P): | 65 mW (without USB charging, without LED) |

Charging current (GAT NET.Lock 7020 USB AC (P)):

Up to 2 A per lock and max. 70 W per controller *

* When multiple devices are being simultaneously charged at multiple locks of a sub controller, the charging current of the sub controller is automatically distributed between these locks.

Max. transmission power:

<400 mW

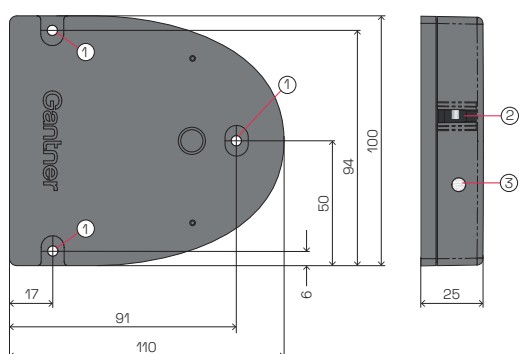
Technical data

Reader types:	
- GAT NET.Lock 7020 (USB AC):	13.56 MHz
- GAT NET.Lock 7020 (USB AC) P:	13.56 MHz +125 kHz
Locks per sub controller:	24 (GAT NET.Controller S 7020) 12 (GAT NET.Controller S 7020 Light)
Retaining force:	Min. 1500 N (337.2 lb)
User guidance:	Multicolor status LED
Housing material:	Plastic (PC)
Door width:	Min. 230 mm (9.05 in)
Permitted ambient temperature:	0 °C to 60 °C (32 °F to 140 °F)
Protection type:	IP52
Protection class:	III
Weight:	Approx. 160 g (5.6 oz)
Environment class (VdS 2110):	II (conditions in indoor areas)
Compliance:	CE, FCC

Device features and dimensions

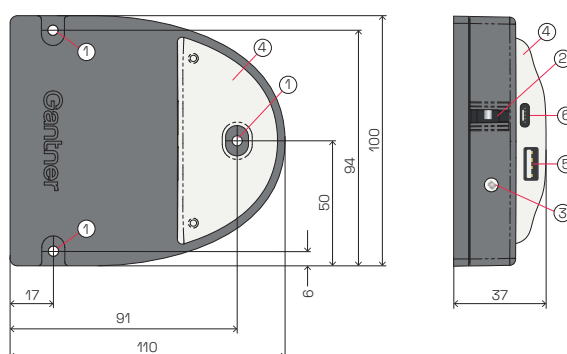
GAT NET.Lock 7020 and GAT NET.Lock 7020 P

Locker lock without USB and LED function



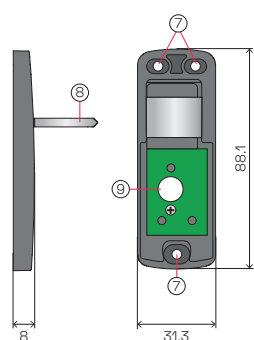
GAT NET.Lock 7020 USB AC and GAT NET.Lock 7020 USB AC P

Locker lock with USB and LED function



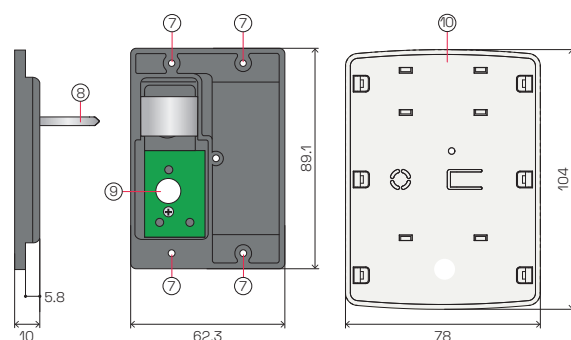
GAT NET.Lock BoltSet 7120

For non-metallic doors



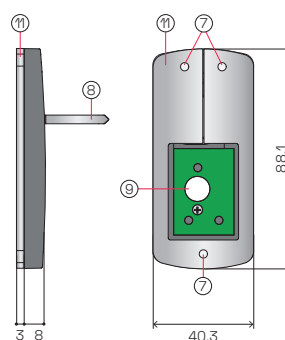
GAT NET.Lock BoltSet 7220

For metallic doors



GAT NET.Lock BoltSet 7320

For glass doors



1. Mounting holes for the GAT NET.Lock 7020
2. Opening for door shackle
3. Status LED
4. Top part with LED lighting and USB ports
5. USB-A port with charging function
6. USB-C port with charging function

7. Mounting holes for the GAT NET.Lock BoltSet
8. Door shackle
9. Hole for status LED
10. Front cover
11. Metal carrier

Measurements in mm