

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 material
- Vandal-proof installation
- Different bolt sets available with integrated RFID booster
- Custom labels for the locker door possible
- LED lighting of locker interior (type "USB")
- USB charging function, USB-A and USB-C socket (type "USB")



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 identification of users at the GAT NET.Lock 7020 is carried out 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 AC" version of the GAT NET.Lock 7020 is equipped with two USB ports (1 x USB-A and 1 x USB-C) 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

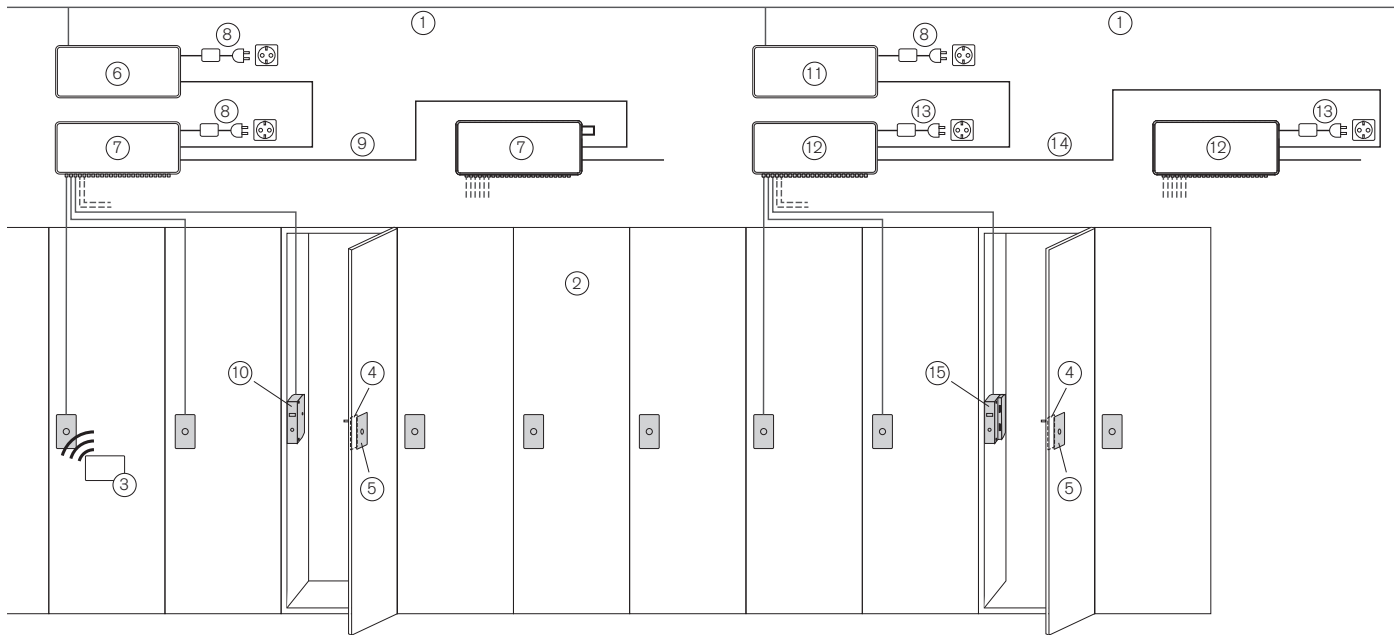


Order Information & Accessories

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.	

NOTE: For a complete list of accessories, refer to the GAT NET.Lock 7020 system ordering guide.

Typical Application



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

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

- 6Main controller 7020 or 7000
- 7Sub controller 7020 or 7000
- 8GAT NET.Power Supply 7020 (without "USB") or 7000
- 9RS-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 AC or 7020 USB AC 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

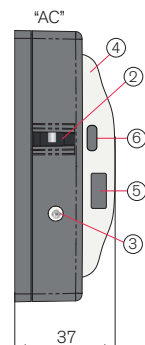
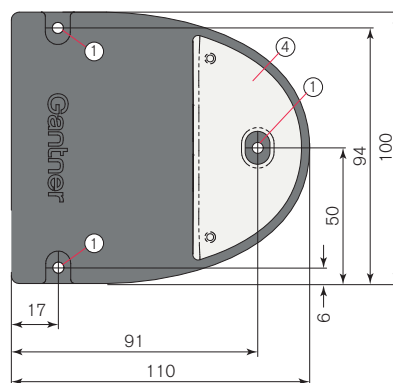
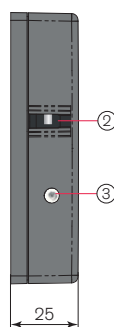
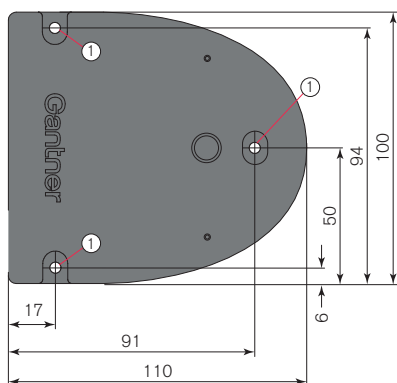
Technical Data

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:	IP 52
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
Electronic locker lock without USB and LED function

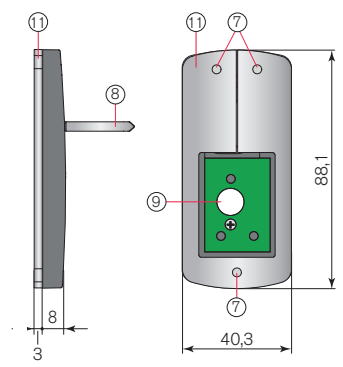
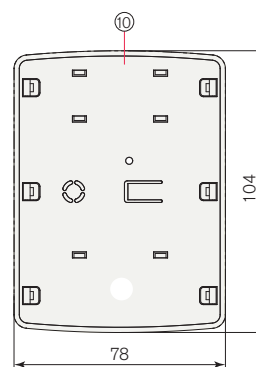
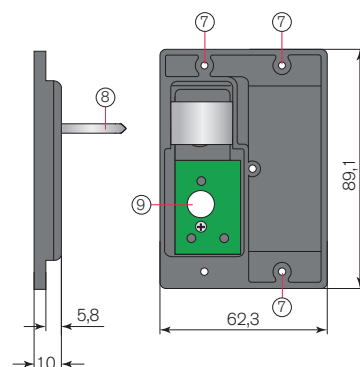
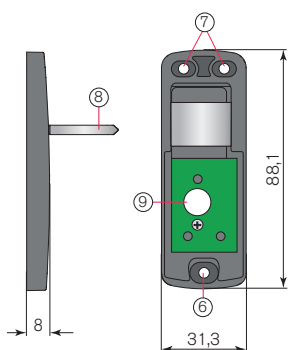
GAT NET.Lock 7020 USB AC and GAT NET.Lock 7020 USB AC P
Electronic locker lock with USB and LED function



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



- 1Mounting holes for GAT NET.Lock 7020 on the inner side of the locker wall (3x)
- 2Opening for door shackle
- 3Status LED
- 4Top with LED lighting and USB ports
- 5USB-A port with charging function
- 6USB-C port with charging function

- 7Mounting holes for GAT NET.Lock BoltSet on the inner side of the locker door
- 8Door shackle
- 9Hole for status LED
- 10Front cover
- 11Metal support

Measurements in mm
Inches in brackets