

Smart Logistic Hub

Flexible Parcel Handling with Electronic Locker Locks and Central Terminal

FACTS AT A GLANCE

- All necessary system components for integration into customer-specific lockers
- Smart use
- Future-proof technology
- Cloud service for easy configuration and management
- Different functionalities selectable for post box or logistic applications
- Reliable and secure locking solution (GAT SMART.Lock 7001 system)
- PIN codes and QR codes supported for secure locker usage by the users
- Autonomous emergency mode for network interruptions
- Language selection directly on the touchscreen



GANTNER's flexible Smart Logistic Hub System is used for receiving and sending parcels of all sizes (letters, packages, etc.). The system is ideally suited to the click & collect world of today allowing users to conveniently pick up their parcels at any time. The process is carried out largely autonomously by operators and end users via a terminal with an integrated touchscreen. The following applications are envisioned: parcel delivery and in-house logistics. Areas of application for the locker system are internal mail delivery and dispatch in offices and companies.

The Smart Logistic Hub System essentially consists of the lockers, which can be designed in a wide variety of shapes and also customer-specific, the electronic locks that lock and unlock the lockers, the associated controllers that control the locks, and the terminal with integrated touchscreen via which operation takes place. Furthermore, a cloud solution is part of the system in which several locker systems and controllers can be integrated, configured, and managed.

The system is initially configured via a cloud service (VC Cloud) by GANTNER or your system partner.



Central Terminal

Main control terminal with touchscreen for user operation



GAT SMART.Lock 7001
Electronic locker lock



The clients have user access to the VC Cloud in order to administer users and monitor the system.

The users have user-level access to the VC Cloud where they can place orders or receive information about their parcel deliveries. By defining user details, such as an email address or phone number, the users can be informed about received packages and the corresponding locker numbers via email or phone.

For sending parcels, the user simply places them in an unoccupied locker box and proceeds with the sending process (receiver selection, etc.) directly at the central terminal.

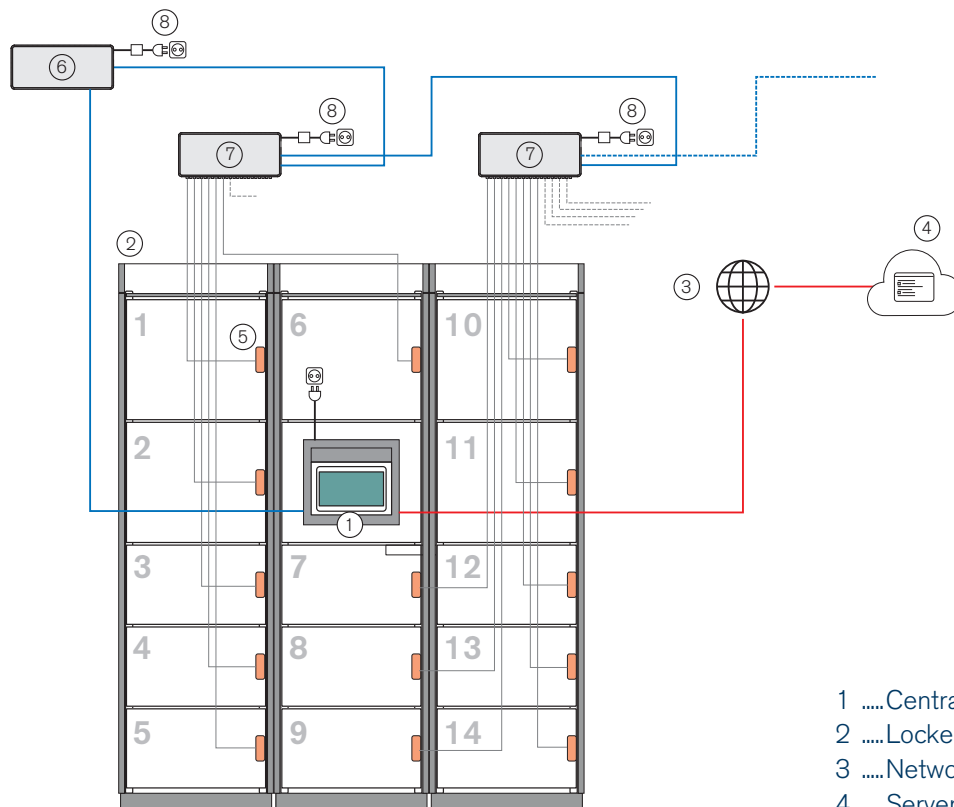
User identification on site is done at the central terminal. Common technologies such as PIN code entry or QR codes are possible for identification and verification. Even if the network connection is interrupted for a short time, operation can continue securely.



GAT NET.Controller M 7020
GAT SMART.Controller S 7020

Main and sub controllers for the electronic locks

Typical application



- 1 Central terminal
- 2 Lockers with post boxes
- 3 Network (Ethernet or IoT cellular connection)
- 4 Server (Cloud) with Parcel Delivery Software
- 5 Electronic lock (GAT SMART.Lock 7000)
- 6 Main controller
- 7 Sub controllers
- 8 Power supply

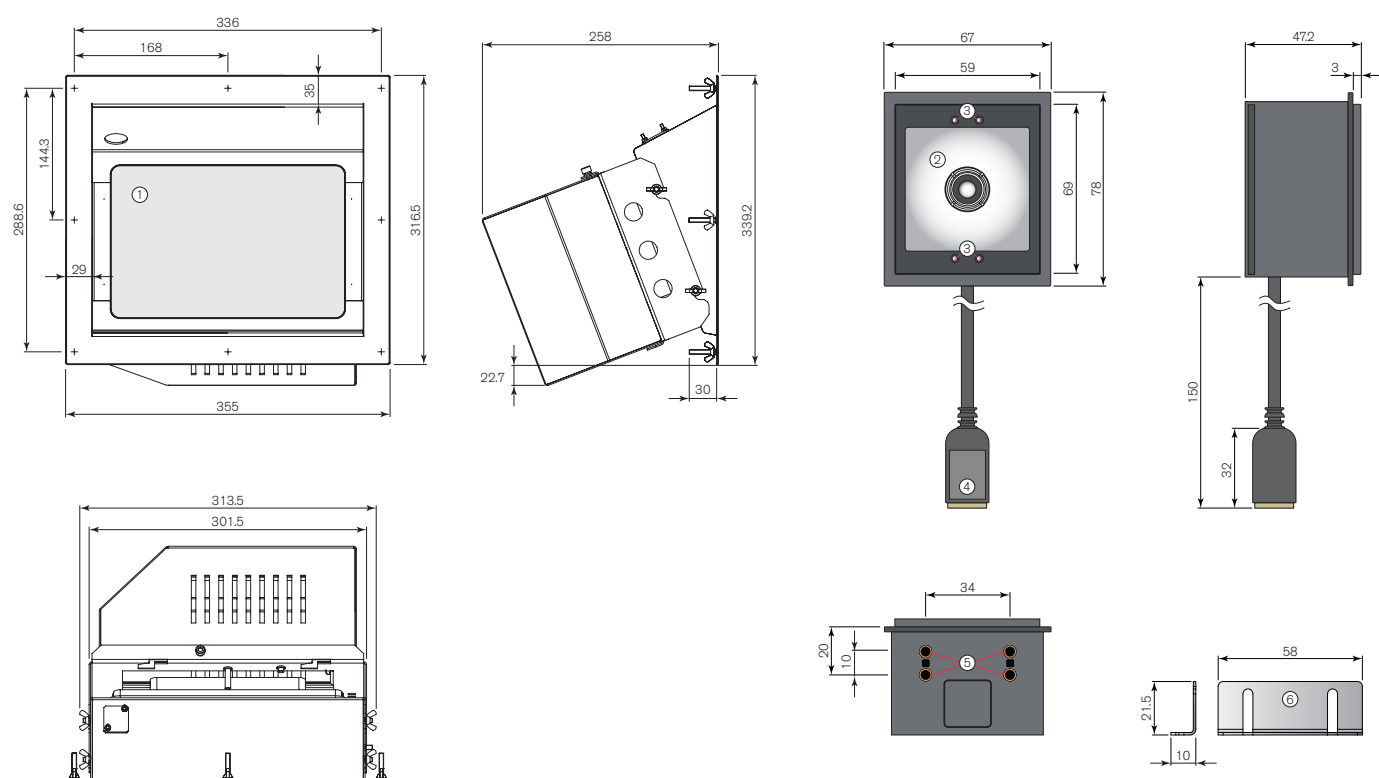
Technical data

Nominal voltage:	AC 110 / 230 V
Frequency of power supply:	50 / 60 Hz
Power consumption:	max. 50 W
Fuse:	12 A max.
Data carrier for storage:	Micro SD card
Software integration:	VARIOCUBE App Host
Host interface:	Ethernet LAN or mobile network (LTE)
Connector host interface:	RJ45 port
Antennas:	2 x LTE antennas (magnetic)
Internet connection:	2 x SIM Slot 3G / 4G
Slot 1:	Pre-installed SIM (optional)
Connector:	RJ45 (1x), USB-C (optional), power connector
Barcode reader:	SLH Barcode Reader (optional - see "Order Information")

Device features and dimensions

Central terminal

Barcode reader



- 1 Touchscreen
- 2 Barcode scan window
- 3 IR sensor
- 4 Data port
- 5 Mounting holes (M3, $\downarrow$ 3.5 mm)
- 6 SLH Barcode Reader Mounting Bracket

Not to scale. Measurements in mm.

Order information

Terminals

Description	Part No.
SLH Indoor Central Terminal EU Smart Logistic Hub central terminal Indoor 12V, type ZT-ID1210F, 10.1 inch display, power plug type F Schuko, router variant Europe	1106199
SLH Indoor Central Terminal NA Smart Logistic Hub central terminal Indoor 12V, type ZT-ID1210B NA, 10.1 inch display, power plug type B, router variant North America	1106203
SLH Indoor Central Terminal CH Smart Logistic Hub central terminal Indoor 12V, type ZT-ID1210J, 10.1 inch display, power plug type J, router variant Europe	1108484
SLH Indoor Central Terminal UK Smart Logistic Hub central terminal Indoor 12V, type ZT-ID1210G, 10.1 inch display, power plug type G, router variant Europe	1107248
SLH Indoor Secondary Terminal Smart Logistic Hub secondary terminal Indoor 12V, 10.1 inch display, 400 cd/m2, PCAP touch, EU, CH and North America. Attention! Primary Terminal is required.	1106202
SLH Outdoor Central Terminal EU Smart Logistic Hub central terminal Outdoor 12V, EU version, 10.1 inch display, 1000 cd/m2, UV protected, PCAP touch, power plug type F Schuko, router type EU 2G/3G/4G	1107133

Connection

Description	Part No.
SLH sending SMS Sending of SMS messages over the Smart Logistic Hub infrastructure, EU, USA, CA, and AUS, pay by use, charged quarterly/biannually at the end of the billing period	1107127
SLH IoT - cellular connection (2GB fair use) - EU - GSC IoT - secure connection via mobile network, 2 GB fair use in European Union (EU) - yearly charge	1108058
SLH IoT - cellular connection (2GB fair use) - CH - GSC IoT - secure connection via mobile network, 2 GB fair use in Switzerland (CH) - yearly charge	1108057
SLH IoT - cellular connection (2GB fair use) - USA - GSC IoT - secure connection via mobile network, 2 GB fair use in United States (USA) - yearly charge	1108059
SLH IoT - cellular connection (2GB fair use) - CA - GSC IoT - secure connection via mobile network, 2 GB fair use in Canada (CA) - yearly charge	1108056
SLH IoT - cellular connection (2GB fair use) - AUS - GSC IoT - secure connection via mobile network, 2 GB fair use in Australia (AUS) - yearly charge	1108055

Order information

Apps - POPox

Description	Part No.
SLH POBox SW license - base fee	1107107
Smart Logistic Hub POBox software license - one time fee per lock (managed locks fee needed), parcel delivery service for multi-family homes, companies, local communities / cities	
SLH POBox SW license - managed locks	1107108
Smart Logistic Hub POBox software license - managed locks, one-time fee per lock (base license needed)	
SLH POPox HM - base fee - GSC	1107895
Hosting & monitoring for Smart Logistic Hub POBox locker yearly fee - includes the cloud service, monitoring, hotfixes & patches, backups, on-going system checks and OS Upgrade	
SLH POBox - HM - managed locks fee - GSC	1107896
Hosting & monitoring for Smart Logistic Hub Rental Locker, yearly fee for managed locks, per lock (base fee needed)	

Apps - Intralogistics

Description	Part No.
SLH Intralogistics SW license - base fee	1106208
Smart Logistic Hub Intralogistics software licence base fee, one-time fee per lock (managed locks licence needed!), Intralogistics business processes API for integration into the customer infrastructure.	
SLH Intralogistics SW license - managed locks	1106972
Smart Logistic Hub Intralogistics software license for managed locks, one-time fee per lock (base license needed!)	
SLH Intralogistics HM - base fee - GSC	1107889
Hosting & monitoring for Smart Logistic Hub Intralogistics, yearly fee - includes the cloud service, monitoring, hotfixes & patches, backups, on-going system checks and OS upgrade	
SLH Intralogistics HM - managed locks fee - GSC	1107894
Hosting & monitoring for Smart Logistic Hub Intralogistics, yearly fee per managed lock (base fee needed!)	

Accessories

Description	Part No.
SLH Barcode Reader	1109614
Smart Logistic Hub reader for linear and 2D barcodes, USB interface, open frame Note: Use the SLH frame!	
SLH Barcode Reader Mounting Bracket 12mm	1109615
Mounting bracket for the SLH Barcode Reader, for maximum 12 mm wall thickness	