

# Medicart - Options for locking

In the context of medication security, the ability to lock medication carts is becoming increasingly important, as well as controlled access to medication.

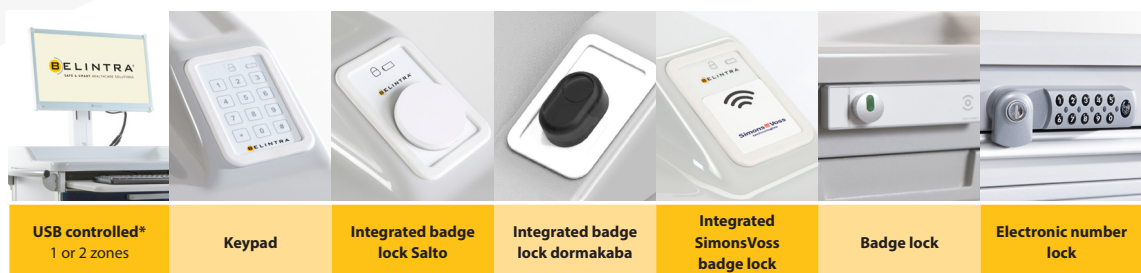
Access to the EPR (Electronic Patient Record) is also becoming increasingly important.

Belintra offers various solutions:

- **Integrated IT** = MEDICART with USB CONTROLLED ACCESS (1 zone or 2 zones).
- **No integrated IT** = MEDICART with keypad, integrated Salto, dormakaba or SimonsVoss badge lock, electronic number lock or badge lock

With every type of lock, an emergency opening is possible at all times.

## Summary table



	USB controlled* 1 or 2 zones	Keypad	Integrated badge lock Salto	Integrated badge lock dormakaba	Integrated SimonsVoss badge lock	Badge lock	Electronic number lock
Medicart Drawers Standard	✓	✓	✓***	✓***	✓***	✓	-
Medicart Drawers Small	✓	✓	✓***	✓***	✓***	✓	-
Medicart Roller Shutter	-	-	-	✓***	✓***	✓	✓
Mode of access	PC**	Number code	Badge	Badge	Badge	Badge	Number code
Central access control	✓	-	✓	✓	✓	-	-
Logging Users	✓	-	✓	✓	✓	-	-
Battery type	Belintra VRLA or LiFePO4 battery	LR25-2 (27Ah - 6V)	Chargeable battery	Part of the lock	Part of the lock	Battery Pack from supplier	2 x AA

\* Requires built-in IT material (PC, laptop, all-in-one) with Belintra Powered Back Pack if required

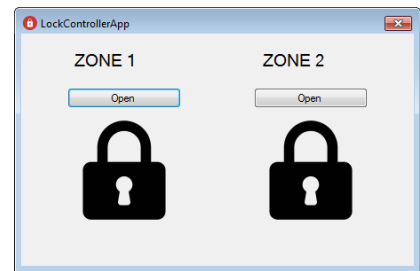
\*\* Password, badge or other identification methods

\*\*\* Upon request



## » 1. USB controlled lock

The command for opening and closing is given via a USB connection with the built-in PC. With this type of lock 1 or 2 lock plates can be controlled for **1-zone or 2-zone closure**. The identification of the users goes through the installed operating system (badge, password, PIN, fingerprint ...).



The components to equip the Medicart with IT are the Belintra Powered Back Pack incl. Battery with recommended IT components (NUC i5 or i3 Mini PC - Neovo X22 Screen or TX22 Touch Screen). For more details, see Belintra IT.



## » 2. Keypad

This lock is suitable for **Medicart Drawers** and **Small Medicart Drawers**. The keypad is ergonomically integrated into the raised edge of the plastic worktop.

The drawers are opened by entering a 4-digit code. The drawers can close automatically after a set time or manually by re-entering the code.

There is a battery indicator that shows when the battery needs replacing. If the battery has run out completely the drawers can still be opened, but not closed.



## » 3. Integrated badge lock Salto

This type of Salto lock is integrated in the Medicart worktop and works automatically. This means that when the badge is presented, the cart opens during a programmable time.

There is battery monitoring where an indication is given when the battery is low. In addition, there is also an LED indication green / red to indicate whether the drawers are open / closed.

The rechargeable battery is included, an external charger and cord are optional.

This lock only applies to **Medicart Drawers Standard** and **Medicart Drawers Small**.

### ID Technologies

- MIFARE® (DESFire EV1, Plus, Ultralight C, Classic - ISO / IEC 14443)
- Bluetooth SMART (BLE)
- NFC
- HID iClass®



## » 4. Integrated badge lock dormakaba

This type of dormakaba lock is integrated in the Medicart's worktop and operates automatically. This means that when the badge is presented, the trolley opens for a programmable time.

There is battery monitoring where an indication is given when the battery is low. There is also an LED indication green/red to indicate whether the drawers are open/closed. The rechargeable LiFePO4 battery is included, an external charger and cord are optional.

This lock is only applicable to **Medicart Drawers Standard** and **Medicart Drawers Small**.

### RFID Technologies

- MIFARE® (DESFire & Classic)
- LEGIC Prime & LEGIC Advant
- OSS-SO Version 2017-10 (LEGIC advant, MIFARE DESFire)



## » 5. Integrated SimonsVoss badge lock

This type of SimonsVoss lock is integrated in the Medicart's worktop and works automatically. This means that when the badge is presented, the trolley opens for a programmable time.

There is battery monitoring where an indication is given when the battery is low. There is also an LED indication green/red to show if the drawers are open/closed. The rechargeable LiFePO4 battery is included, an external charger and cord are optional.

This lock is only applicable to **Medicart Drawers Standard** and **Medicart Drawers Small**.

### RFID Technologies

- MIFARE® Classic, MIFARE® DESFire / EV1/EV2/EV3
- UID - ISO/IEC 14443 (MIFARE®, Legic® Advant, HID® SEOS)



## » 6. Badge lock

The badge lock can be used on **Medicart Drawers** and **Medicart Roller Shutter**. The lock can be programmed with the corresponding key set. Different operating modes are possible.

Compatible with all RFID ISO 14443A technologies (e.g. MIFARE®) and NFC. Up to 20.000 openings per battery are possible. LEDs indicate the programming status, actions and battery status.

Placing a badge lock on a Medicart Drawers Standard or Small takes 1 position (1P) of the configuration.

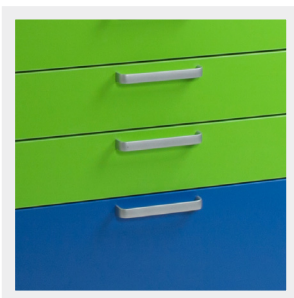


## » 7. Electronic number lock

This lock can only be used on the **Medicart Roller Shutter**. The button on the electronic combination lock is positioned just below the worktop.

It can be opened by entering a 4-digit code. The electronic combination lock can be used up to 80,000 times on one set of batteries. The battery status can be requested using the black button in the lock. If the batteries have run out the cart can be opened using an emergency key.

## » General features drawer locking



### » Flexible configuration

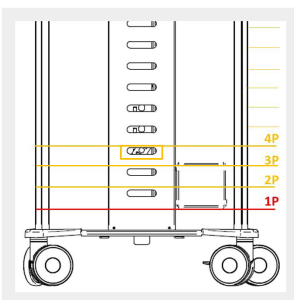
When configuring the carts, you can determine which drawers have to be locked and thus be fitted with a closing mechanism. The chosen drawers are **unlocked and locked again together**.

If a drawer remains open after locking, this will still be locked when slid shut.



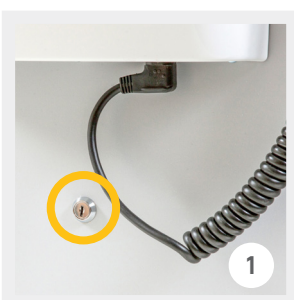
### » Protection of mechanical parts

All mechanical parts are shielded within the cart to prevent them becoming blocked should something fall out of the drawers.



### » Closing the positions

- Always use **at least a 2P drawer with baskets in the lower position**.
- A drawer of 1P and a medication drawer of 2P or 3P in the lower position cannot be closed!



### » Emergency opening

Emergency opening is possible at all times if there is a power outage due to a technical fault.

1. USB / Keypad / Badge → Key on the back
2. Electronic number lock → Key on the front