MedSMART — Automated dispensing cabinet

MedSMART is an automated dispensing cabinet that digitalizes drug handling processes at the point of care. It enables secure and reliable storage and dispensing of drugs on wards, in the emergency department, in intensive care and in operating theaters.

— Greater efficiency

— Improved patient safety

— Intuitive software

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Main Tower

The MedSMART ADC consists of a main tower that can be combined **flexibly** with a range of auxiliary towers to meet **various capacity requirements.** A series of specific functions provide targeted support for your work processes.

The main tower of the MedSMART is available in **two sizes,** and offers **flexible configuration options** with various drawer and shelf modules.

a The **control module** consists of a workstation with a 17" touchscreen and a retractable keyboard. Here, users can perform all transactions reliably and efficiently via an intuitive user interface. Below this is the user module:

1	**Card reader**	6	**Internal return bin**	9	**SMARTLabel**
	Optional add-on to facilitate log-in access with facility-issued staff card.	7	**Matrix drawer** A 24-compartment storage location to access items quickly.		A label printer to print unit-dose label prints when dispensing drugs.
2	**Barcode scanner**	8	**SMARTSlip**		
3	**Biometric scanner**		A prescription slip printer as a checklist to aid in drug administration activities.		
4	**17" touchscreen**				
5	**Nurse's tray**				

b The **MedDoor** shelves have a large storage capacity. They are perfect for storing liquids, bulky packages of non-critical drugs or a large number of units containing a specific drug.

c Three different **drawers** arranged at two different heights can be configured to fit your needs, and cover various security levels in drug storage.

Software

One of the main features of the MedSMART is its **user-friendly and highly configurable software,** which perfectly displays and supports your work processes and requirements. The software package consists of two components:

User interface

The user interface on the automated dispensing cabinet is highly intuitive. It allows nurses, doctors, pharmacy staff and technical service personnel to **perform and document transactions effortlessly at the cabinet.**

The clear instructions on prescriptions and administering times, along with detailed information about the drugs themselves, improve **patient safety.**

Web application

The central web application, SMARTCenter, can be accessed via a **browser within the network.** If offers administrators all the functions they need for **system management:**

— Defining roles and rights for users

— Creating reports

— Settings for drugs and cabinets

— And much more

A series of drug-specific **warnings** regarding temperature and humidity deviations, empty stocks and pending expiry dates help greatly to **improve efficiency and inventory management.**

Drawer module: 2 heights—4 combinations

3 x Double deep

1 x Double deep
+ 4 x Single deep

6 x Single deep

2 x Single deep
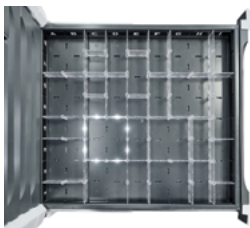+ 2 x Double deep

3 types

The three drawer types meet different requirements in drug storage and dispensing.

	Matrix	SMARTMatrix	Sliding Drawer
Quick access	✔	✔	—
Limited access	—	—	✔
Low-risk drugs	✔	✔	—
High-risk drugs	—	—	✔
LED-light guides	—	✔	—

Matrix

— An on-screen guide in the layout of the drawer shows the compartment that stores the drug.

SMARTMatrix

— Equipped with LightedPath: LEDs light up the compartment that contains the drug. This minimizes picking and dispensing errors and improves patient safety.

Sliding Drawer

— Provides double-lock access and secure storage of controlled drugs such as narcotics, controlled substances, and high-alert drugs.

— Users will only have access to the storage compartment that contains the specific drug.

— Optional: Predefine a second verification when dispensing drugs from the Sliding drawer.

Auxiliary Tower

You can customize your MedSMART to fit your requirements with additional towers in various sizes and configurations.

Adding **one or multiple auxiliary towers** makes storage and dispensing more secure and reliable. It also increases patient safety and reduces costs.

With three different sizes and various combinations of drawers and MedDoor available, you can find the perfect set-up for your needs.

Additional expansions

You can expand your MedSMART with various add-ons that provide additional functions or help with all-round drug management.

For refrigerated drugs

The CoolSMART lock integrates existing refrigerators into the MedSMART system. Temperature and humidity sensors issue warning messages via the SMARTCenter software in the event of deviations.

For bulky drugs

The external lock enables the integrated management of bulky drug packages that are already stored in existing manual cabinets.

For bulky drug returns

An external return bin enables secure intermediate storage for large or bulky drug packages that are to be returned to the central pharmacy.

For shelves of MedDoor

The LightedPath function uses LEDs to guide users to the specific location of a drug in the shelves.