



MedSMART

Automated Dispensing Cabinet

MedSMART automated dispensing cabinet (ADC) digitizes the process of drug dispensing and replenishment at hospital's points of care. It is supporting **secure drug storage** and **accurate prescriptive dispensing** workflows on wards, in emergency rooms, in critical care units, even in operating rooms.

- Improve efficiency
- Increase patient safety
- High usability

ADC components

MedSMART ADC is one complete unit with a main tower and an auxiliary tower. Each component provides a specific function to support the usability of the ADC, enhance your clinical workflow, and support you operationally so you can provide better care for your patients.

- 1**
Main Tower
The Main tower is the controlling unit of the MedSMART ADC.
- 3**
Main module
The main module contains a 17" touch-screen user interface to access the MedSMART ADC. The utility drawer is also located here.
- 5**
Drawer module
One drawer module offers space for three Double Deep drawers that are configurable in four different ways.



- 2**
Auxiliary Tower
Auxiliary towers are added to expand storage and dispensing requirements.
- 4**
MedDoor
MedDoors are open-shelf cabinets to store liquid and bulky drugs such as saline solutions.
- Drawer heights**
Two drawer heights catering to different needs – Single Deep (a) and Double Deep (b).



Drawer module

Four drawer configurations per drawer module



3 x Double Deep



1 x Double Deep
+ 4 x Single Deep



6 x Single Deep



2 x Single Deep
+ 2 x Double Deep

Main module

The Utility drawer is part of the main module and packed with features to support a caregiver in preparing and dispensing medication for their patients in a safe and secure process.



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



Drawer type

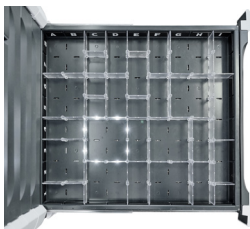
MedSMART ADC provides you with three types of drawers to fulfill different storage and dispensing needs at various clinical points of care.

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



Matrix

- An on-screen guide displays the layout of the drug drawer and highlights the compartment where the drug is stored.



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.

Optional Add-On

Optional components can be added to expand storage for the drugs managed and/or the functionalities of the ADC.



For refrigerated drugs

CoolSMART lock comes with a glycol probe and ribbon cable to provide constant monitoring of temperature and humidity. Alerts will be displayed at the pharmacy in case the temperature deviates from the predefined value.



For bulky drugs

A physical lock for existing medication cupboards enables storing of bulky medication or solutions.



For bulky drug returns

An external return bin enables returning bulkier drugs to the pharmacy stocks and redistributing them to other wards.



For shelves of MedDoor

LightedPath provides the user with light guidance by illuminating the shelf in the MedDoor where the right drug or solution is stored. This supports accurate dispensing.

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