Medicart IT

To equip your medication cart with IT you need the following components.

- **Belintra Powered Back Pack + LiFePO4 battery**
  The Belintra Back Pack is available in 2 versions. Depending on your IT peripherals, you can choose the 12-24V (LV-DC) or the 100-240V (HV-AC) solution.

- **Choice of peripherals**
  A wide range of peripherals can be integrated into the various configurations. Thus, the BELINTRA COWs and Medicarts with IT have already been equipped with **Mini PCs**, **All-In-Ones** and **Thin Clients** from DELL, HP, Lenovo, Igel, etc. Various screens, scanners, keyboards and mice can also be connected. All choices and combinations are always checked for compatibility and feasibility by our R&D team.

  In terms of performance and autonomy, Belintra has good experiences with:
  » NUC Core™ Ultra 5 Mini PC
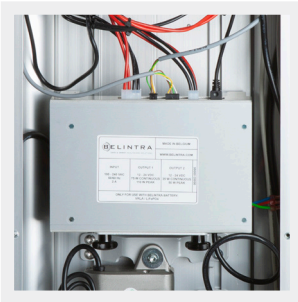 » AG Neovo X22, TX22 Touch Screen and ME24 displays

This is primarily designed for the Medicarts Drawers Standard and Small, but can also be mounted on the Medicart Roller Shutter.

The medication carts can be equipped with Belintra Fleet Manager software for centralised monitoring of usage and the possibility of preventive maintenance of the entire fleet.

» Belintra Powered Back Pack

The Back Pack is an external housing to build in hardware and to properly connect the screen, keyboard, badge reader, scanner etc. It includes the Wi-Fi antenna and a COW Controller as well.

❱❱ COW controller

The built-in COW controller is an intelligent battery charger with integrated DCDC conversion or 220V inverter. Depending on the version, the Belintra Back Pack can supply 12-24V (LV-DC) or 100-240V (HV-AC) IT-equipment.
The COW controller also monitors the battery status and keeps a log of the charging / discharging. The COW controller connects to the PC via USB.

❱❱ NUC Core™ Ultra 5 Mini PC

The proposed NUC Mini PCs have full desktop performance in a small and compact device. With the latest innovative technologies and the latest generation of Core™ Ultra 5 processors, the NUC offers stunning performance for the modern workplace.
Designed for optimum performance, NUC Mini PCs provide known reliability and a 3-year global warranty.

❱❱ Neovo screens

Designed for 24/7 use and protected by NeoV™ Optical Glass, these durable metal housing screens benefit from superior components to ensure a long product life.
The specialized image settings from AG Neovo improve color, brightness and contrast ratios.

The above NUC and AG Neovo components have already been extensively tested and put on the market. Other peripherals are also possible subject to prior validation.

❱❱ LiFePO4 battery - great autonomy

The Belintra Powered Back Pack has a LiFePO4 battery with a capacity of 12V - 480Wh. The battery will give a nominal autonomy of 16 hours at a consumption of 30W continuous. The consumption depends on the chosen hardware. For example, an NUC mini-PC paired with a Neovo monitor has a nominal consumption of 30W during operation.

The battery status is visible both on the Back Pack itself with the LED indicator and on the PC screen using the Cart Controller application.
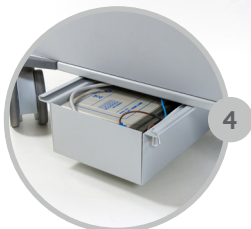
›› Medicart Drawers Standard and Small IT

Monitor
e.g. Neovo for medical environments

Height adjustable arm for screen

LED indicator at the back for battery level and On-Off button for safe shutdown

Power Pack

Holder for power cord

USB + UTP connections

Silicone mouse pad

›› LED indicator battery status

The COW Controller PCB in the Medicart IT displays the remaining battery charge by means of an LED indicator at the back of the Medicart IT and the Cart Controller application on the PC screen (only if the application is installed). You can access this app by opening it via the icon on the bottom right of the screen.

LED Indication (SOC = State Of Charge)

🟢	🔋	**On battery - SOC between 100% & 50%**	🔴	🔋	**On battery - SOC less than 9%**
🟡	🔋	**On battery - SOC between 49% & 20%**	🔵	🔋⚡	**On mains - SOC less than 100%**
🔴	🔋	**On battery - SOC between 19% & 10%**	🔵	🔋⚡	**On mains - SOC equal to 100%**

» Medicart IT - Configuration

» Back Pack

Article number	Description
19034 00105	Powered Back Pack - 12-24V (LV-DC)
19034 00106	Powered Back Pack - 100-240V (HV-AC)
19034 00114	Non-Powered Back Pack for All-In-Ones

» Battery LiFePO4

Article number	Description
99011 00149	Battery LiFePO4 - 12V 40AH - 8 x 20 AH 4S

» Coiled cord

Article Number	Zone
97001 00049	EUR (to order separately)
97001 00043	GB (to order separately)
97001 00044	CH (to order separately)

» IT-Pack

Article Number	Description	Type
97003 00249	High End ICT	NUC Core™ Ultra 5 - 250 GB SSD - 8 GB RAM

» Neovo screen

Article Number	Description	Colour
97003 00061	X-22 Screen	White
97003 00163	ME-2401 Screen	White
97003 00078	TX-22 Touch Screen	Black
Upon request	DR-22 Optical Glass optimised for X-ray images	White

Standard article (non-standard articles have a longer delivery time)