

Powered IT Carts - Standard and High-End



These COWs are a very flexible solution for meeting the most diverse mobile IT needs in your healthcare institution.

These simple, intuitive carts are very compact and agile. The trolley itself and the screen can easily be adjusted in height and guarantee an ergonomic workstation for the caregivers.

They are very compact with a high ratio of work surface area to total dimensions.

Both models can be equipped with additional accessories. The High-End model can additionally be fitted with medication drawers and locking mechanisms.

These high quality, stable and ergonomic **Computer-On-Wheels** are a combination of top brands. They are made of durable materials and are easy to maintain.

To equip your Powered IT Cart, you will need the components listed below:

- Depending on your IT peripherals, you can choose between installation with 12-24V (LV-DC) or 100-240V (HV-AC) functionality. The latter can only be used for All-In-One computers without alternating batteries.
- A wide range of peripherals can be integrated into the various configurations. The trolleys 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

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



» Ergonomic functionality

This simple, intuitive trolley is designed for sitting or standing use. For users of different heights, the height can be adjusted with one easy movement of the hand.

The trolley underwent movement tests with 10,000 cycles, which guarantees trouble-free height adjustment for at least five years.



» Highly maneuverable and compact

You can effortlessly move the trolley to the point of use. Thanks to the ultra-smooth swivel wheels, it moves easily over different floor types.

The trolley has a small footprint and is perfect for rooms and corridors with limited space.



» Accessible IT components

The modular structure of the hardware, with very easy access to the battery, COW controller and NUC, is convenient for the IT service during first line maintenance. This area can be locked with a key to ensure security.

This also makes future hardware implementations and upgrades very easy.



» Plenty of worktop space and a perfect wrist position

Despite its compact footprint, the Powered IT Cart offers plenty of free worktop space. The backward tilting and left/right 90° rotating keyboard work surface with integrated left/right sliding mouse work surface keeps the wrists in a neutral position. This prevents injuries and increases comfort.



» COW controller

The built-in COW controller is an intelligent battery charger with integrated DCDC conversion or 220V inverter. Depending on the version it 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.



» AG 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 IT Cart 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 Powered IT Cart itself with the LED indicator and on the PC screen using the Cart Controller application.

» LED indicator battery status

The COW Controller PCB in the Powered IT Cart displays the remaining battery charge by means of an LED indicator at the back of the Powered IT Cart 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%

» Two different models

The Powered IT Carts are available in a Standard and a High-End version. The table below lists the features of both:

	Powered IT Cart Standard 18018 00001	Powered IT Cart High End 18018 00019
LCD Pivot: supports screens up to 24" and offers 25 degrees of tilt and 90° of rotation - for screens up to 6.7 kg	V	V
Very accessible on/off button	V	V
Secured CPU compartment	V	V
Spacious work surface: 567 mm W x 502 mm D	V	V
Mouse and scanner holder	V	V
Wrist support	V	V
Backward tilting and left/right 90° rotation of the keyboard work surface	V	V
Integrated left/right pull-out mouse tray	V	V
Mounting of the IT components (mini-PC, battery, spiral cable) with choice of 12-24V (LV-DC) or 100-240V (HV-AC) power supply	V	V
4 swivel castors, of which 2 at the front with a brake	V	V
Optional accessories	V	V
CPU locking (Kensington lock)	-	V
USB hub with 4 ports	-	V
Additional handle, storage compartment and hook for spiral cable at the rear	-	V
LED lighting for the keyboard	-	V
Antimicrobial wrist rest and antimicrobial surface treatment	-	V
Stronger spring for equipment with medication drawers	-	V
Possibility of locking the medication drawers	-	V
Secure access with key or badge (Salto, dormakaba, Assa Abloy)	-	V



» Powered IT Carts - Configuration



» Powered IT Carts

Article Number	Description	Ext. Dimensions*
18018 00001	Powered IT Cart - Standaard	562 x 728 x 1282 mm
18018 00019	Powered IT Cart - High End**	562 x 781 x 1282 mm

* Excluding screen.

** See separate product sheet for equipping the Powered IT Cart High-End with drawers and locks.

To be completed with a choice of:

18018 00041	Powered IT Cart - 12-24V (LV-DC) built-in
18018 00037	Powered IT Cart - 100-240V (HV-AC) built-in - only for AIO high voltage



» 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

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

» Powered IT Carts - Configuration



» AG 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



» Monitor kit for displays/AIOs 6.4 kg - 10.9 kg

Article Number	Description
18018 00030	Order separately if heavy screen/AIO to be mounted



» Silicone mouse pad

Article Number	Description
09005 0020	Included in configuration as standard. Can also be reordered separately.

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