



CAPSAHEALTHCARE

Engineering a path to
better care.

T7

User Manual



Legal

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This user manual contains information on the installation and operation of Capsa Healthcare's T7 Point-of-Care Technology Cart. It also contains important maintenance information and safety requirements. Read all instructions completely before using the T7.

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Introduction

Built with the caregiver's work flow in mind, the T7 addresses the challenges faced by existing medical carts by offering optimal ergonomic positioning with minimal (and often automatic) adjustments. To reduce the risk of injuries and change the way caregivers interact with point-of-care technology, the T7 provides simple, quick adjustments that encourage medical caregivers to work in safe postures. And its compact footprint makes the T7 easy to maneuver and prevents parts from sticking out and breaking. Accommodating PCs, tablets and laptops, the T7 facilitates mobile computing in healthcare environments. Capsa Healthcare, the world's premier ergonomic solutions manufacturer, engineered the T7 to be the new industry standard in cart technology.

Frequently-used functions

To meet the ergonomic requirements of the vast majority of users in sitting or standing postures, the T7's AutoFit™ technology adjusts the unit to the caregiver's entered height with minimal effort. By eliminating all but one adjustment step and allowing users to enter their own specific heights, the T7 encourages users to work in an optimized ergonomic position.

Further exemplifying the T7's sophisticated design is its Power Track™ steering, which enables caregivers to easily maneuver in tight spaces and corridors, even with one-hand operation. And, due to its low center of gravity and centralized mass, the T7 has excellent balance and stability for smoother, safer use. As a result, the T7 offers industry-leading maneuverability and one of the smallest practical footprints on the market.

In addition, the digital interface, keyboard and mouse on the T7 are within the shoulder width—and therefore the ergonomic range—of the user.

The T7 also offers two different tilting monitor-arm options, both of which accommodate a vast range of individuals, including those with bifocals.

For expanded utility, the T7 offers additional storage options such as MedLink or standard utility drawers.

Engineered for lasting use, the T7 has a flexible power system with a lithium battery. In addition, the power system and battery are readily accessible for easy maintenance by a trained Capsa Healthcare technician.

The T7 has a completely encased wire management system, which mitigates both clutter and infection-control concerns. In any setting, the T7's streamlined design makes cleaning easy and promotes a healing environment. The construction of the T7 consists primarily of durable aluminum, with steel and plastic components.

Powered cart configurations

The Powered T7 is configured with an electronic lifting system and touch screen interface. This model has an onboard rechargeable power system that can supply power to the CPU, monitor, and other peripheral devices.

The T7 utilizes internal routing of power cables to make the cart easy to operate. Access to the internal AC output (triple tap) is used for computer power, monitor power, and any AC peripherals located under the technology cover (facing the front of the cart, it will be under the right hand side of the work surface. Facing the rear of the cart it will be under the left hand side of the work surface.



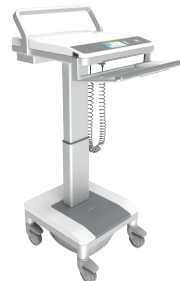
T7 Powered Cart

PC, Adjustable Monitor Mount (UFEA), Fixed Keyboard Tray



T7 Powered Cart

PC, Fixed Monitor Arm, Fixed Keyboard Tray



T7 Powered Cart

Laptop, Fixed Keyboard Tray



T7 Powered Cart

PC, Fixed Monitor Arm, Articulating Keyboard Tray

Non-Powered cart configurations

Although the Non-Powered T7 does not have an electronic lifting system, it can still utilize an external plug, keeping all computer wires within the unit. To use the Non-Powered T7, connect the supplied AC power cord to the power inlet underneath the work surface and a hospital-grade power outlet.

The Non-Powered T7 cannot be converted to a Powered T7.



T7 Non-Powered Cart
PC, Adjustable Monitor Mount (UFEA), Fixed Keyboard Tray



T7 Non-Powered Cart
PC, Fixed Monitor Arm, Fixed Keyboard Tray



T7 Non-Powered Cart
Laptop, Fixed Keyboard Tray



T7 Non-Powered Cart
PC, Fixed Monitor Arm, Articulating Keyboard Tray

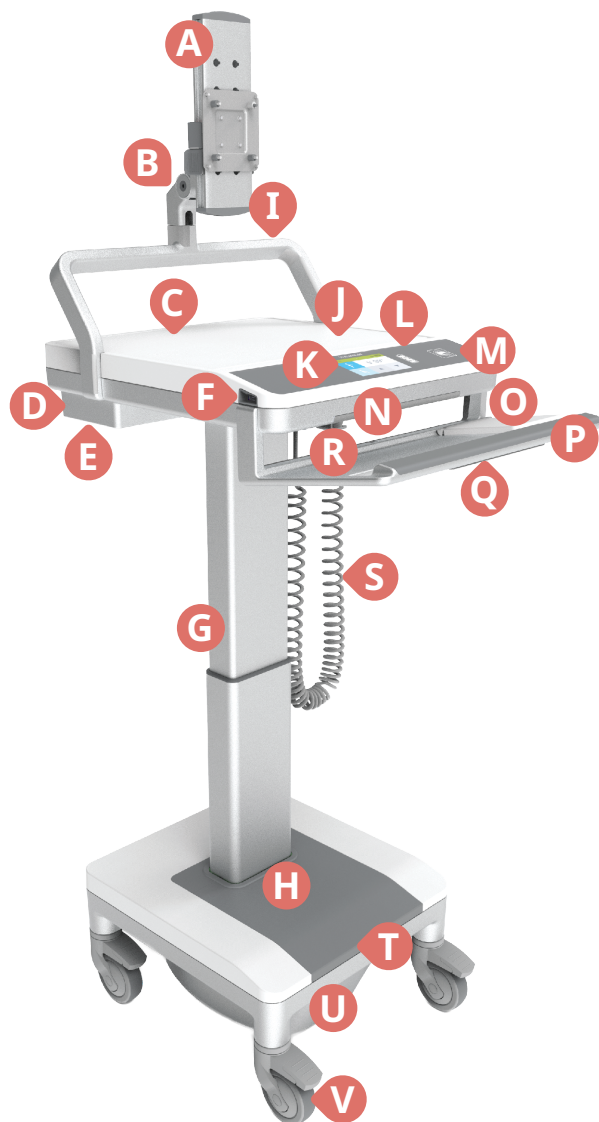
Cart features

Capsa Healthcare's T7 point-of-care mobile technology cart offers unprecedented ease of adjustment for each user in a shared work environment, providing one, simple, combined adjustment for the work surface, keyboard support and display. The T7's 20 inch (50.8 cm) height range ensures comfortable ergonomic accommodation for seated and standing workers (see [Adjusting the T7](#) on page 29).

- **AutoFit technology (height adjustment):** The T7 features AutoFit technology accessible via a digital dashboard interface. Anthropometric data determines the eye levels and elbow heights associated with certain overall heights of users. As such, the T7's monitor and work surface/keyboard are designed to adjust to the ergonomically optimal eye and elbow level for each user according to the overall height each user enters in the digital dashboard interface.
- **Keyboard supports:** The standard and recommended keyboard support is fixed at a negative title angle so that the user's wrist is kept in a straight line to the elbow when the work surface has been ergonomically adjusted for the user's height, and, as such, encourages ergonomically safe positions that help prevent such musculoskeletal disorders as carpal tunnel syndrome. For tight patient room spaces and environments, we do offer our award winning adjustable Keyboard Trays as an option.
- **Handle/palm rest:** Acting as a palm rest for the keyboard, the handle also features the Power Track steering button on its underside.
- **Mouse position:** Two options for the fixed mouse platform are available, both of which keep the mouse within the footprint of the cart and maximize ergonomic positioning.
- **Gantry:** Serving as a back handle for the cart and as cable management, the gantry raises the monitor support above the work surface, providing more work surface while guiding the cart.
- **Large, clean work surface:** Ample work surface space allows for greater utility.
- **Stride and toe clearance:** Positioning of the keyboard platform allows the handle to be far enough from the base of the cart to leave room for full strides and toe clearance when walking.
- **Power Track steering:** Increasing control, the Power Track steering directs the weight of the cart and aids the user in moving it in the intended direction. To engage the system, press the button on the underside of the palm rest.
- **PC and laptop accommodation:** The T7 can support all-in-ones, laptops, thin clients and small form factor PCs, based on various mounting options available.
- **Screen moving with work surface to correct position:** Since the monitor is constrained to the work surface, it moves up and down as the work surface is raised and lowered.
- **Screen can be moved by user to preferred position:** The monitor on select models can also be raised and lowered independent of the work surface, to account for people with varying torso lengths. The user can adjust the height of the monitor as they prefer.
- **Moving screen for bifocal use:** All models include the possibility for the user to tilt the monitor to help accommodate the use of bifocals.

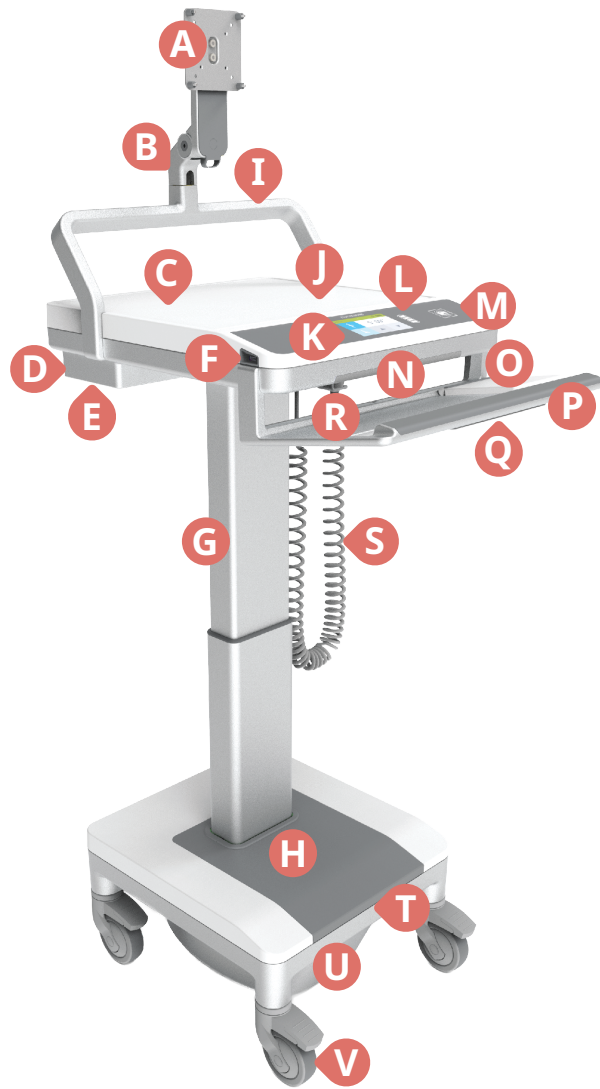
- **Monitor arm:** Provides 15 degrees of tilt and rotates 90 degrees for viewing access and sharing content with patients.
- **Charging USB:** Ordered as an option, you can add a charging USB port to fast charge phones, tablets and other peripherals (2.4 A). The USB charging port is conveniently located on the left hand side of the work surface area.
- **Tap-n-Go ready:** Ordered as an option, standard RFID readers can be embedded under the work surface (right hand side of the dash board) to optimize single sign-on (SSO) capabilities. This option includes a mounting area under the work surface and a Tap-n-Go logo overlay as a visual feature.

Features identified



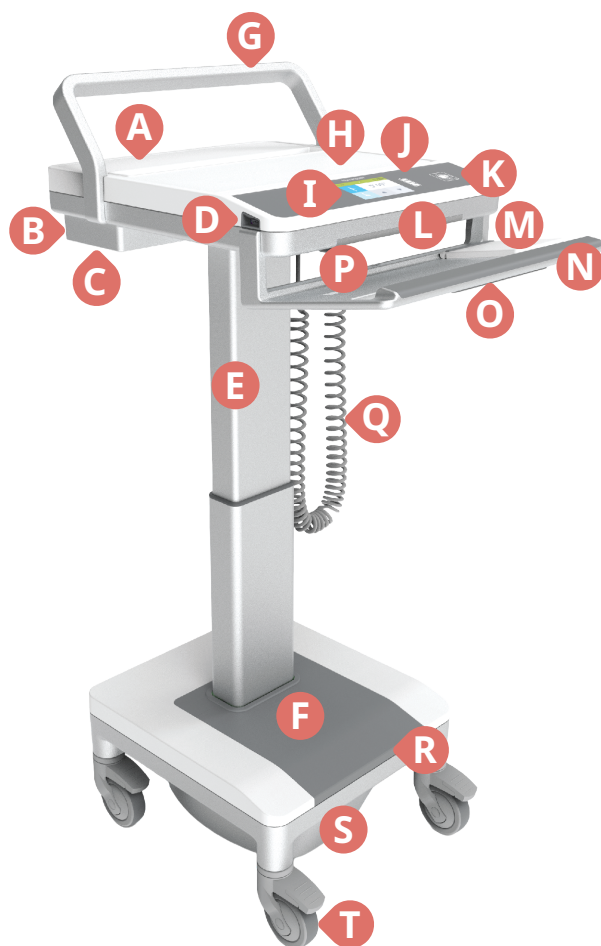
T7 Powered Cart: PC, adjustable monitor mount (UFEA), fixed keyboard tray

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|---|---|
| <p>A. Adjustable monitor mount (UFEA)
VESA 100x100 and 75x75 hole pattern (FDMI MIS-D)</p> <p>B. Rotating and tilting monitor arm</p> <p>C. Removable rear access panel of the work surface</p> <p>D. PC power supply storage and internal cable management</p> <p>E. Power button (underneath work surface)</p> <p>F. USB charging port</p> <p>G. Automated lifting mechanism
20 inch height adjustment</p> <p>H. Rechargeable LiFePO4 battery</p> <p>I. Gantry: Rear handle and cable management</p> <p>J. Front of work surface with enclosed CPU storage option</p> | <p>K. Touch screen interface for AutoFit height adjustment</p> <p>L. Battery level indicator</p> <p>M. Tap-n-Go ready</p> <p>N. LED keyboard light</p> <p>O. Mouse platform</p> <p>P. Palm rest</p> <p>Q. Power Track steering actuator button
(underneath handle)</p> <p>R. Fixed keyboard tray</p> <p>S. Coiled AC power cable</p> <p>T. Toe clearance</p> <p>U. Power Track steering option (underneath base)</p> <p>V. Heavy-duty 4-inch casters with front locking mechanism</p> |
|---|---|



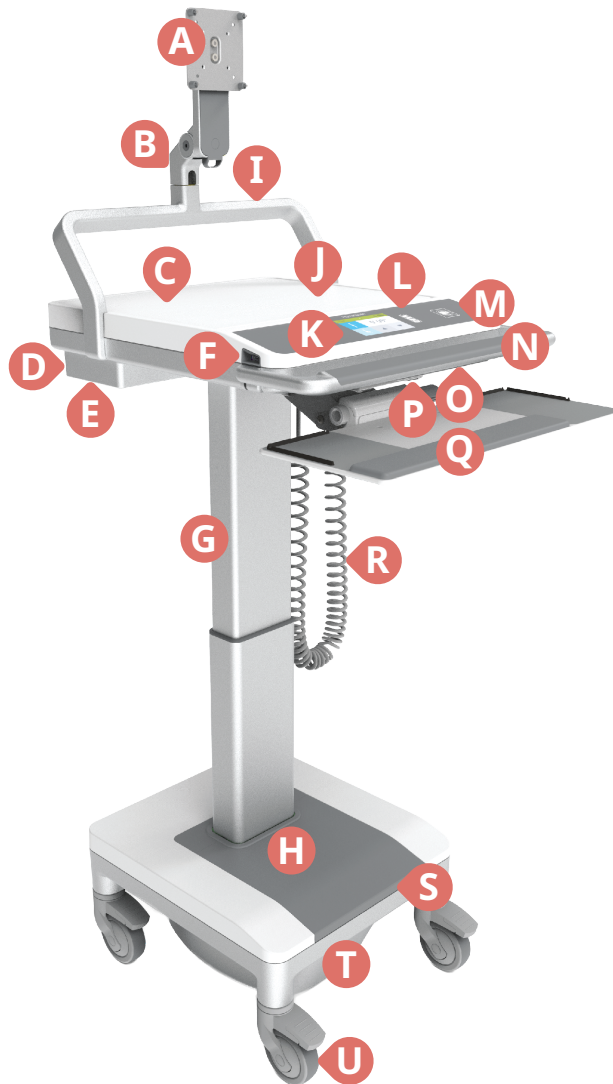
T7 Powered Cart: PC, fixed monitor mount, fixed keyboard tray

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|---|---|
| <p>A. Fixed monitor mount
VESA 100x100 and 75x75 hole pattern (FDMI MIS-D)</p> <p>B. Rotating and tilting monitor arm</p> <p>C. Removable rear access panel of the work surface</p> <p>D. PC power supply storage and internal cable management</p> <p>E. Power button (underneath work surface)</p> <p>F. USB charging port</p> <p>G. Automated lifting mechanism
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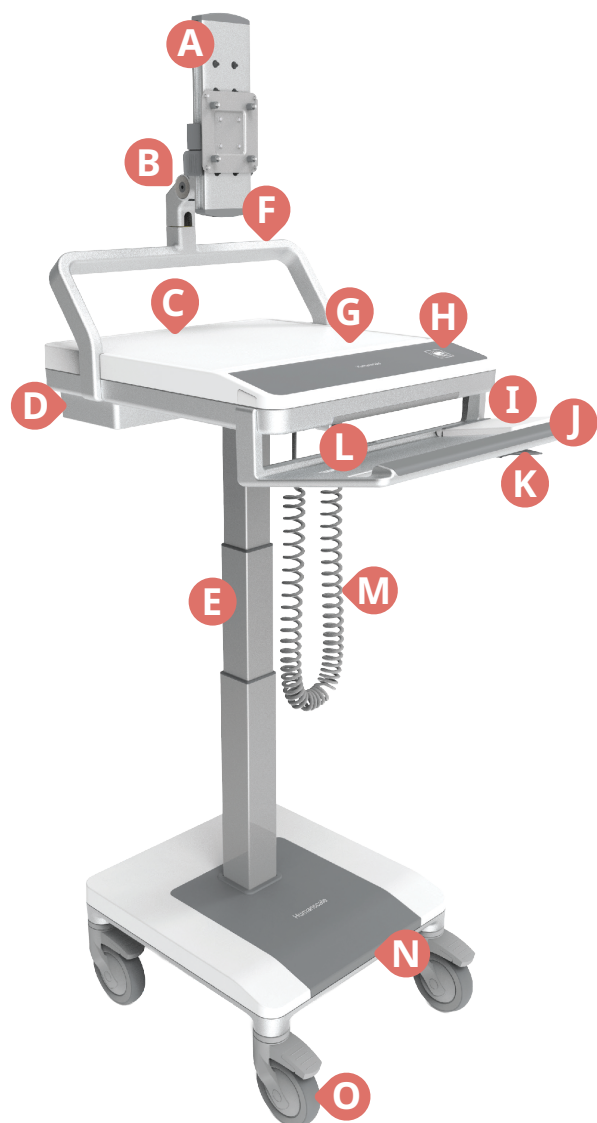
T7 Powered Cart: laptop, fixed keyboard tray

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|--|---|
| A. Removable rear access panel of the work surface | J. Battery level indicator |
| B. PC power supply storage and internal cable management | K. Tap-n-Go ready |
| C. Power button (underneath work surface) | L. LED keyboard light |
| D. USB charging port | M. Mouse platform |
| E. Automated lifting mechanism
20 inch height adjustment | N. Palm rest |
| F. Rechargeable LiFePO4 battery | O. Power Track steering actuator button
(underneath handle) |
| G. Gantry: Rear handle and cable management | P. Fixed keyboard tray |
| H. Front of work surface with enclosed CPU storage option | Q. Coiled AC power cable |
| I. Touch screen interface for AutoFit height adjustment | R. Toe clearance |
| | S. Power Track steering option (underneath base) |
| | T. Heavy-duty 4-inch casters with front locking mechanism |



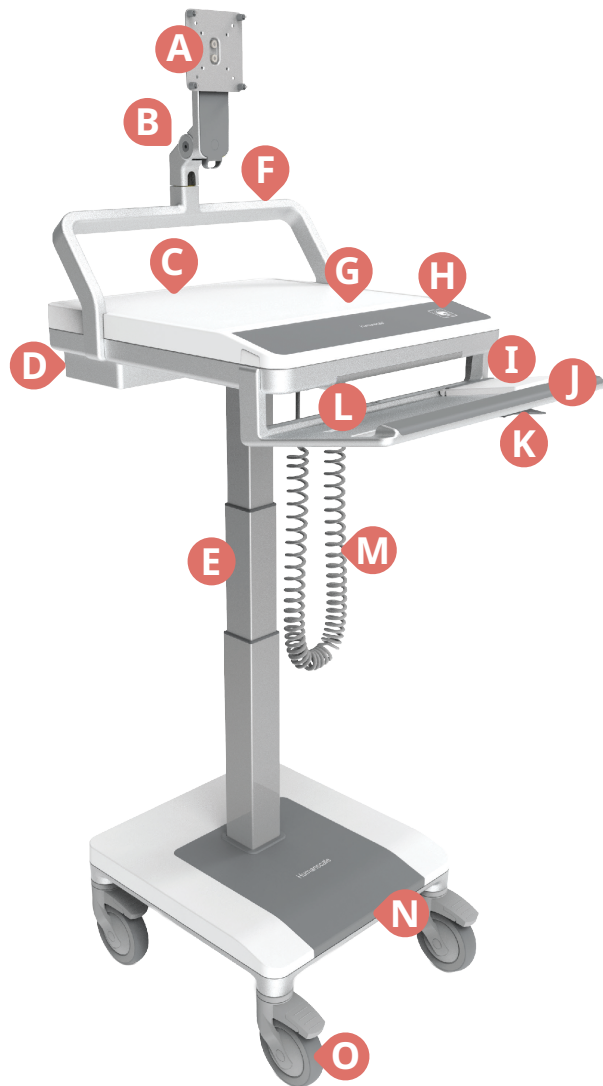
T7 Powered Cart: PC, fixed monitor mount, articulating keyboard tray

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| <ul style="list-style-type: none"> A. Fixed monitor mount
VESA 100x100 and 75x75 hole pattern (FDMI MIS-D) B. Rotating and tilting monitor arm C. Removable rear access panel of the work surface D. PC power supply storage and internal cable management E. Power button (underneath work surface) F. USB charging port G. Automated lifting mechanism
20 inch height adjustment H. Rechargeable LiFePO4 battery I. Gantry: Rear handle and cable management J. Front of work surface with enclosed CPU storage option | <ul style="list-style-type: none"> K. Touch screen interface for AutoFit height adjustment L. Battery level indicator M. Tap-n-Go ready N. Push handle O. LED keyboard light P. Power Track steering actuator button (underneath handle) Q. Articulating keyboard tray R. Coiled AC power cable S. Toe clearance T. Power Track steering option (underneath base) U. Heavy-duty 4-inch casters with front locking mechanism |
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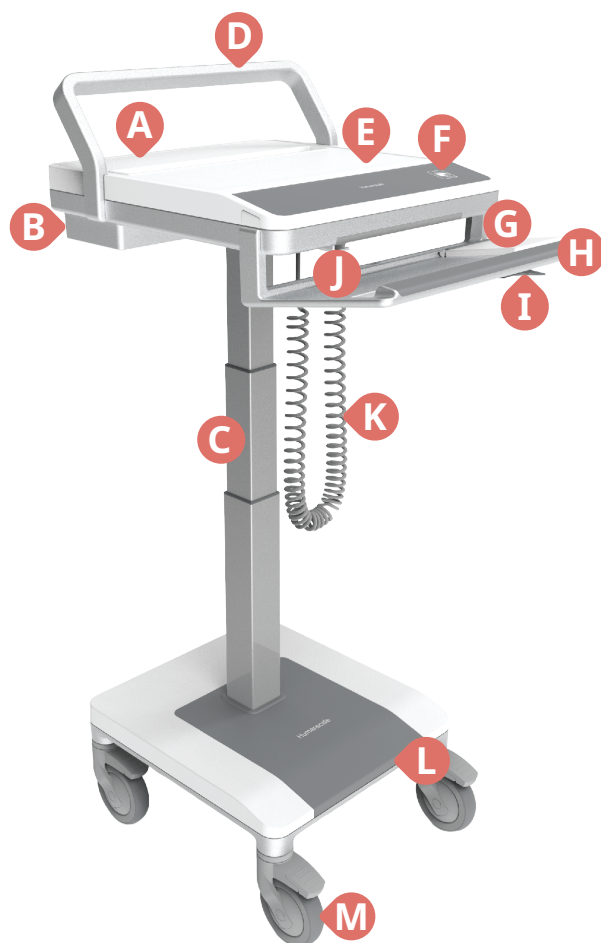
T7 Non-Powered Cart: PC, adjustable monitor mount (UFEA), fixed keyboard tray

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| <p>A. Adjustable monitor mount (UFEA)
VESA 100x100 and 75x75 hole pattern (FDMI MIS-D)</p> <p>B. Rotating and tilting monitor arm</p> <p>C. Removable rear access panel of the work surface</p> <p>D. PC power supply storage and internal cable management</p> <p>E. Manual lifting mechanism
20 inch height adjustment</p> <p>F. Gantry: Rear handle and cable management</p> <p>G. Front of work surface with enclosed CPU storage option</p> | <p>H. Tap-n-Go ready</p> <p>I. Mouse platform</p> <p>J. Palm rest</p> <p>K. Height adjustment actuator handle</p> <p>L. Fixed keyboard tray</p> <p>M. Coiled AC power cable</p> <p>N. Toe clearance</p> <p>O. Heavy-duty 5-inch casters with front locking mechanism</p> |
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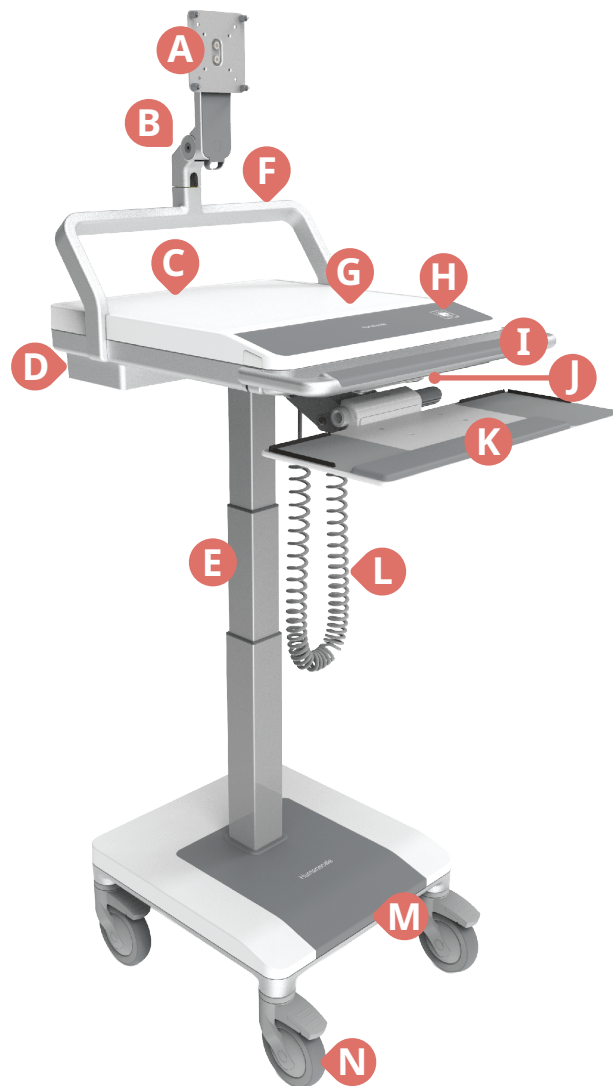
T7 Non-Powered Cart: PC, fixed monitor mount, fixed keyboard tray

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| <ul style="list-style-type: none"> A. Fixed monitor mount
VESA 100x100 and 75x75 hole pattern (FDMI MIS-D) B. Rotating and tilting monitor arm C. Removable rear access panel of the work surface D. PC power supply storage and internal cable management E. Manual lifting mechanism
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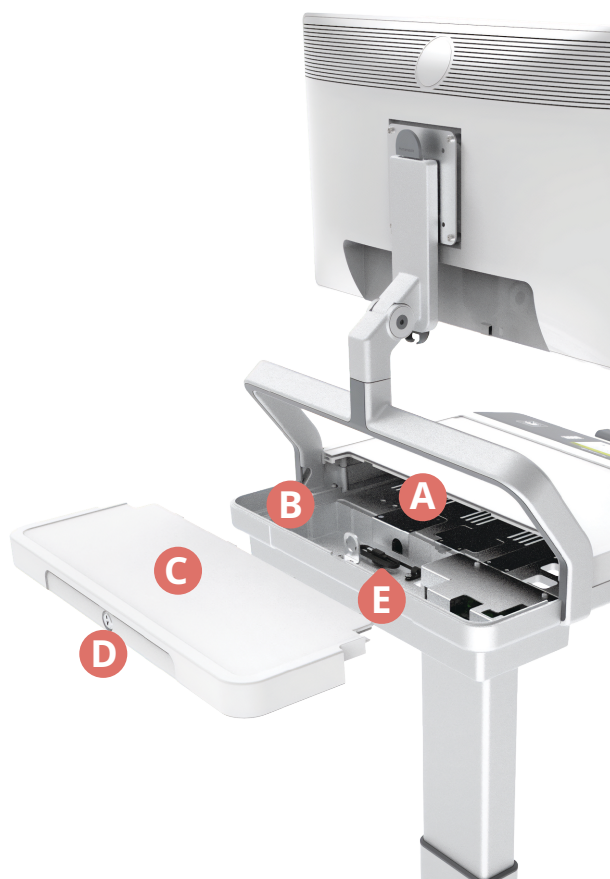
T7 Non-Powered Cart: laptop, fixed keyboard tray

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| <ul style="list-style-type: none"> A. Removable rear access panel of the work surface B. PC power supply storage and internal cable management C. Manual lifting mechanism
20 inch height adjustment D. Gantry: Rear handle and cable management E. Front of work surface with enclosed CPU storage option F. Tap-n-Go ready | <ul style="list-style-type: none"> G. Mouse platform H. Palm rest I. Height adjustment actuator handle J. Fixed keyboard tray K. Coiled AC power cable L. Toe clearance M. Heavy-duty 5-inch casters with front locking mechanism |
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T7 Non-Powered Cart: PC, fixed monitor mount, articulating keyboard tray

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|---|---|
| <p>A. Fixed monitor mount
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20 inch height adjustment</p> <p>F. Gantry: Rear handle and cable management</p> | <p>G. Front of work surface with enclosed CPU storage option</p> <p>H. Tap-n-Go ready</p> <p>I. Push handle</p> <p>J. Height adjustment actuator handle (underneath work surface)</p> <p>K. Articulating keyboard tray</p> <p>L. Coiled AC power cable</p> <p>M. Toe clearance</p> <p>N. Heavy-duty 4-inch casters with front locking mechanism</p> |
|---|---|



Removable rear access panel of the Work Surface (all models)

- A. Internal shelf for computer**
- B. Internal cable management space with AC power outlet (T7 Powered cart only)**
- C. Removable rear access panel of the work surface**
- D. Key lock**
- E. Firmware update USB cable (for technician use only; does not provide charging power)**

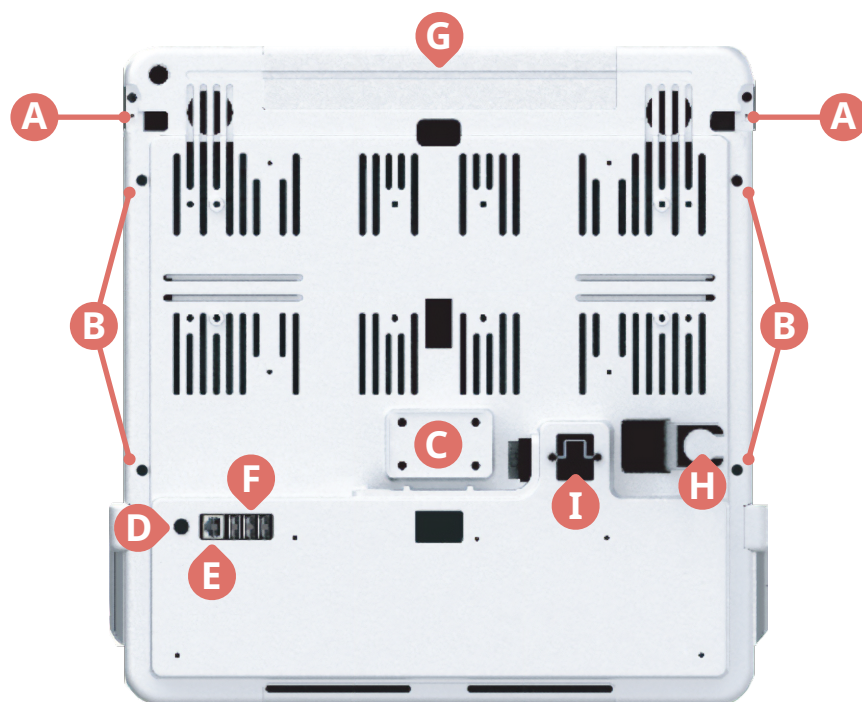


T7 Head Assembly (all Powered models)

A. Tap-n-Go overlay

B. Touchscreen user interface

C. RFID reader mounting location



Work Surface bottom view

- | | |
|--------------------------------------|---------------------------|
| A. Keyboard frame mounting holes | F. USB Type-A ports |
| B. Work surface cover mounting holes | G. Keyboard surface light |
| C. Lifter mount | H. AC cord hanger |
| D. Main power button | I. AC input |
| E. RJ45 jack | |

The USB Type-A and RJ45 ports are specifically for the connection and use of the following components:

- | | |
|-------------------|--|
| • Barcode scanner | • Document scanner |
| • External PC | • USB hub |
| • Mouse | • Blood pressure monitors |
| • Printer | • Capsa Healthcare branded accessories |

Technical data

AC POWER SYSTEM

- 120 V AC version
 - **Input:** 120 V AC
 - **Output:** 120 V AC pure sine wave, 60 Hz
 - **Continuous output capacity:** 150 W
 - **Peak output capacity:** 225 W
- 230 V AC version
 - **Input:** 230 V AC
 - **Output:** 230 V AC pure sine wave, 50 Hz
 - **Continuous output capacity:** 150 W
 - **Peak output capacity:** 225 W

BATTERY

- Lithium Iron Phosphate (LiFePO₄)
 - 50 Amp Hour
 - 12.8 V output
 - 2,000 cycles at 80% depth of discharge (DOD)
 - 2.5 hours recharge time
 - Limited 5-year warranty

BATTERY LEVEL INDICATOR (BLI)

- Indicates charging status
- Battery level

RECOMMENDED HEIGHT ADJUSTMENT OPERATION

- 10% maximum duty cycle, 2 minutes on, 18 minutes off

FLAT-PANEL DISPLAY

- The gantry can accommodate accessories weighing up to 25 lb. (11.4 kg) such as but not limited to flat panel displays (1 or 2), scanners, and bottles.

COMPUTER DIMENSIONS

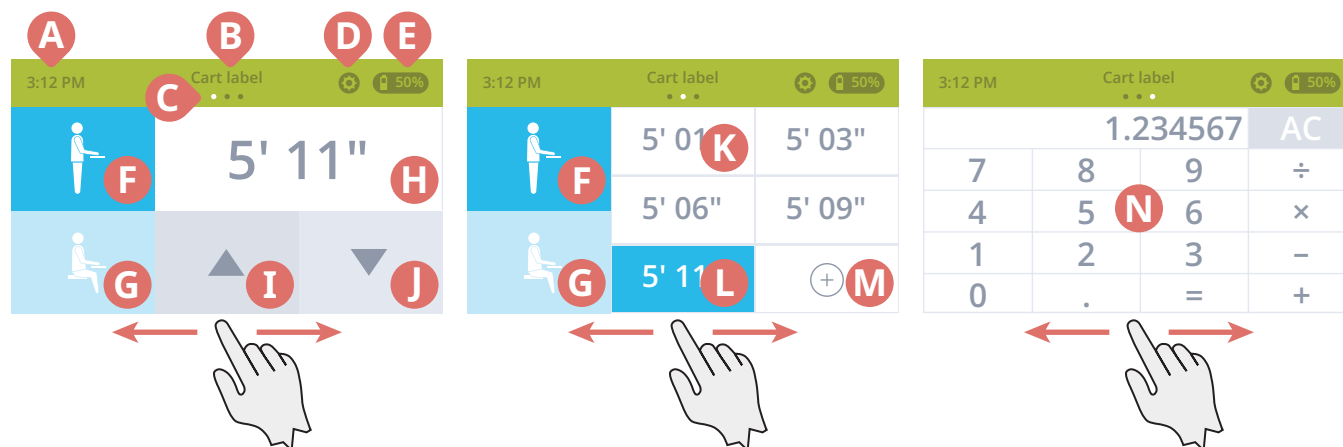
- The T7 work surface can accommodate a computer up to 2.25 in. H by 12.3 in. W by 17.35 in. D (5.7 by 31.2 by 44.1 cm) and has a 16.8 inch (42.7 cm) wide opening for a laptop screen.

The user interface

The T7 touch screen display allows you to adjust the height of the cart, and can also provide a four-function calculator.

You can adjust the cart height separately for users who are standing or seated.

To switch between display options, swipe left or right with one finger.



Manual height adjust (left), Height presets (middle), Calculator (right). Swipe left or right to change screens.

A. Clock

To set the clock, see **Admin Settings > Set Clock** on page 22.

B. Cart label

To set the cart label, see **Additional Admin Settings > Cart labeling** on page 22.

C. Page indicator

If the Calculator feature is turned off, there will be two dots.

D. Settings

For details, see **Settings** on page 21.

E. Battery indicator

Tap this to see details about the cart's battery. See **Battery details** on page 23.

F. Standing mode (selected)

Tap this to adjust the cart height to accommodate a standing user.

When you tap this button, the cart will start to move.

G. Seated mode

Tap this to adjust the cart height to accommodate a seated user.

When you tap this button, the cart will start to move.

H. Current user height

You can switch from feet and inches to centimeters. See **Settings > Units** on page 21.

I. Raise cart

Press and hold this button to accommodate a taller user. The current user height display will change as the cart moves. Release the button when the display shows the preferred height.

J. Lower cart

Press and hold this to accommodate a shorter user. The current user height display will change as the cart moves. Release the button when the display shows the preferred height.

K. Height preset

Tap a preset to adjust the cart for a user of that height.

To edit a preset, see **Modifying a preset** on page 20.

L. Height preset (selected)

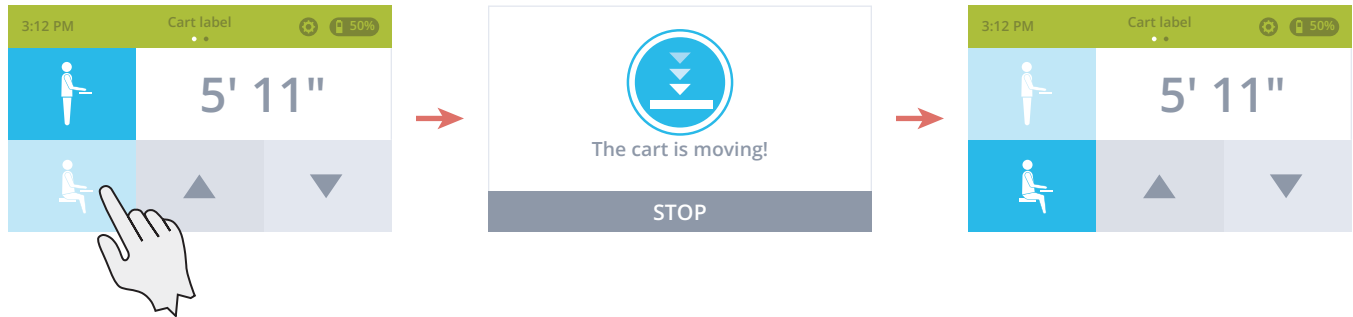
M. Height preset (unassigned)

To assign a preset, tap the button. See **Adding a preset** on page 20.

N. 4-function Calculator

To turn on the Calculator feature, see **Settings > Calculator** on page 21.

Switching between Standing and Seated position

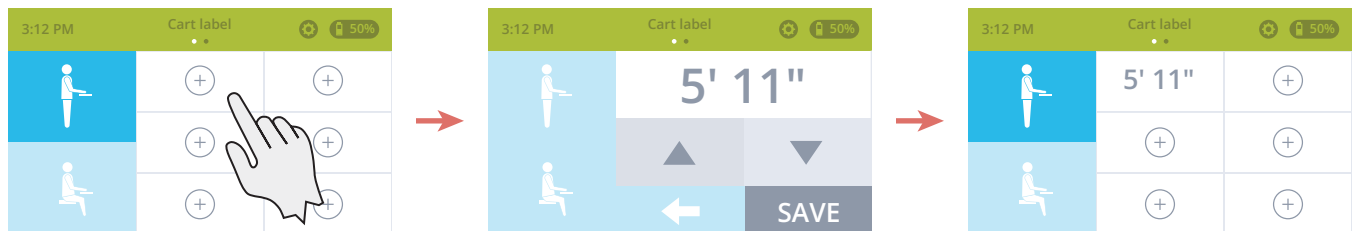


Press the **Standing** or **Seated** mode button to change modes. The cart will rise or lower to accommodate the change.

While the cart is in motion, the display shows an animated message. In an emergency you can interrupt the change by tapping **Stop**.

The indicated user height (or selected preset, not shown) remains the same.

Adding a preset



1. Swipe left or right until you see the **Presets** screen.
2. Tap a (+) icon to set the height for that preset.

NOTE: When you set a preset, it is available in both **Standing** and **Seated** modes.

3. Press and hold the ▲ **Up** or ▼ **Down** arrows until the display shows the proper height.
4. Tap **Save** to save the height setting, or tap ← to return to the **Presets** screen without saving the change.

Modifying a preset

1. Swipe left or right until you see the **Presets** screen.
2. Press and hold a value to display the editing screen for that preset.
3. Press and hold the ▲ **Up** or ▼ **Down** arrows until the display shows the proper height.
4. Tap **Save** to save the height setting, or tap ← to return to the **Presets** screen without saving the change.



Stopping the cart's motion




When the cart is in motion (either from changing modes or selecting a preset), you will have the option to stop it.

If you tap the **Stop** button, the cart displays a confirmation. Tap **OK**.

Settings





- To enter **Settings**, tap  at the top of the screen.
- To exit **Settings**, tap .
- Swipe up or down to scroll the list of settings.

These settings are the default settings displayed; you can activate and deactivate which settings to display using the **Administrative Login**.

- **Keyboard light:** Turn the keyboard light on or off.
Tap the button to change the setting. The options are **Bright**, **Dimmed**, and **Off**.
- **Screen brightness:** Sets the brightness of the T7 display.
Tap the button, drag the slider left or right until the screen brightness is where you want it to be, then tap .
- **Battery level sound:** Determines whether the T7 emits a sound when the battery reaches a critical level.
Tap the switch to turn the setting on (the switch is on the right) or off (the switch is on the left).







Switch On (left) and Off (right)

- **Calculator:** Determines whether the four-function calculator is displayed.
Tap the switch to turn the calculator on or off.
- **Clear presets:** Clears all preset heights. Tap the button, then tap **Confirm** or **Cancel**.
- **Units:** Changes the units used to display the cart's height setting. You can choose **Feet & Inches** or **Centimeters**.
Tap the button, then choose the units or tap  to leave the units unchanged.
If you tap a units button (even if it is the same as the current setting), the cart will calibrate. Tap **OK** to continue, or  to return to the **Settings** screen.
- **Calibrate height adjust.:** Tap the  button. The cart will prompt you to start the calibration. Tap **OK** to calibrate or  to return to the **Settings**.
Calibration will move the cart up and down, then leave it at the highest position.
You will need to exit **Settings** to change the height of the cart.
- **Administrative Login:** Tap this to view and change **Admin Settings**.
You'll be prompted for the Admin PIN. The default PIN is **1234**; you can change this from the **Admin Settings** screen.





Admin Settings

Several **Admin Settings** allow you to activate features found in user **Settings**. You can also change the cart setting without allowing non-admin access to the setting.

- To activate a user setting (which makes it available on the main **Settings** screen), tap the  next to the setting name.
- To deactivate a setting, tap .
- Tap  to return to **Settings**.
- Tap  to exit to the main screen.
- To change a setting from the **Admin Settings** screen, tap the button to the right of the setting name.

Settings you can activate or deactivate are:






- **Keyboard light:** See the previous section for usage.
- **Screen brightness:** See the previous section for usage.
- **Battery level sound:** See the previous section for usage.
- **Calculator:** See the previous section for usage.
- **Clear presets:** See the previous section for usage.
- **Units:** See the previous section for usage.

- **Language:** Change the language used for the cart display.
Tap the language button, then scroll the list of available languages and tap the new language, or tap  to return to the **Admin Settings** screen without changing the language.
- **Calibrate height adjust.:** See the previous section for usage.
- **Set Clock:** Tap the  button. You can change the clock from **12h** (AM/PM) to **24h** (00:00–23:59). Press the  **Up** or  **Down** button to change the time. Hold the button to have the time change faster.
Tap **Save** when you are done.

You may be asked to access the following settings if you call Capsa Healthcare for support.



- **Usage Monitor:** The Usage Monitor shows the number of height adjustments that have been made, the time since the cart was last started, and the time since the cart was last calibrated.
- **Version Information:** This gives some information about the OS and hardware on the cart.
- **Test 1:** This will run lift tests continuously. **Don't run these tests unless asked by a support representative from Capsa Healthcare.**
To start the test, slide the **Run test** switch to **On**. The cart will move up and down to various target heights. To stop the test, slide the **Run test** switch to **Off**.
- **Test 2:** This will run lift tests for a specific number of times. **Don't run these tests unless asked by a support representative from Capsa Healthcare.**
Tap **Iteration count**, enter the number of times to run the test, then press **Save**.
To start the test, slide the **Run test** switch to **On**. The cart will move up and down to various target heights for the number of iterations that you specified.

Additional Admin Settings


- **Cart labeling:** The cart label is displayed at the top center of the cart's screen. This gives you a quick way to identify an individual cart. This is especially useful if you have several T7 carts that you move about your facility.
 1. Tap the  button.
 2. Set the **Display Cart Label** switch to **On**.
To hide the label, turn the switch to **Off**.
 3. Tap the **Cart Label** button to enter the label.
If you decide not to change the label, tap  to return to **Settings**.
 4. Enter the cart label text, up to 16 characters.
Tap  to switch between upper- and lowercase letters.
Tap **&123** to enter digits and symbols, tap **1/2** and **2/2** to switch between symbol sets, and tap **ABC** to return to letters.
 5. Tap **Save** to save your label and return to **Settings**.
- **Enable clock:** Turn this **On** to display the clock in the top left of the main screen; turn it **Off** to hide the clock.
- **Enable MedLink Pro:** Turn this **On** to allow the drawer hardware to operate with MedLink Pro (requires a separate MedLink Pro purchase).
- **Change Admin PIN:** This allows you to change the PIN used to access the **Admin Settings** screen.
Tap the  button, enter your current Admin PIN, enter the new Admin PIN, then confirm the new Admin PIN.
If you enter the wrong confirmation pin, the dots on the screen will flash red, then you can re-enter the PIN.
To cancel changing the PIN, tap .



IMPORTANT: Write down the new PIN and store it in a safe place. Capsa Healthcare can't help you recover a forgotten PIN.

After you have changed your **Admin Settings**, tap  to return to **Settings** or tap  to exit to the main screen.

Battery details

The battery icon  in the top right of the display shows the current battery charge level.

Tap the icon to see more details about the battery and power system.

If you contact Capsa Healthcare for support, we may ask for some of this information.














- **Input AC voltage:** If the cart is plugged in, this shows the voltage and frequency of the input power source. If the cart is unplugged, this will read **On Battery Power**.
- **Output AC voltage:** This will show the voltage and frequency of power supplied to on-cart devices.
- **Battery DC voltage:** Shows the voltage of the battery.
- **Battery capacity remaining:** Shows the percentage of charge remaining on the battery (followed by **Charging** if the cart is plugged in).
- **Run time remaining:** This shows the approximate amount of time left running on battery power, or **N/A** if the cart is plugged in.
- **Battery temperature:** The temperature of the battery.
- **Battery type:** This is the kind of battery used by the cart. Most T7 carts use a Lithium Iron Phosphate battery, shown as **LiFe**. Older carts may use a Sealed Lead Acid battery (**SLA**).
- **Battery cycle count:** This shows how many times the battery has been discharged then recharged
- **Battery serial number**

To return to the main screen, tap the battery icon again.

















For more information about the power system, see **Technical data** on page 18.

Symbols and warnings

These symbols provide alerts to safety conditions demanding attention. It is important to recognize and understand the significance of the following safety hazards when encountered on the T7 Cart or within the manual.

SYMBOL	MEANING	SYMBOL	MEANING
	Alternating Current		RJ45 Connection
	IEC 60601-1, 2nd ed. Mandatory to Consult Accompanying Documents		USB 2.0 Connection
	IEC 60601-1, 3rd ed. Mandatory to Consult Accompanying Documents		Push-button On/Off switch
	Direct Current		General Warning Sign
	ON/OFF Power Switch		Dangerous Voltage
	Protective Earth (ground)		Feet Entrapment
	Battery Level Indicator		

Cart warning review

	<p>BATTERY REPLACEMENT To maintain certification, replace the T7's battery with a Capsa Healthcare replacement battery only.</p>
	<p>GROUNDING Connect the T7 to an equivalent receptacle marked Hospital Only or Hospital Grade to ensure a protective earth ground.</p>
	<p>SERVICE AND REPLACEMENT Do not attempt to service the system while the power is on. Do not attempt to service or replace any part of the T7 unless directed to do so through Capsa Healthcare approved documentation (i.e., this User Manual or other instructions). Only Capsa Healthcare or a Capsa Healthcare certified entity may service or replace the cart components. If any component on the cart is missing or damaged, the cart must not be used. Contact Capsa Healthcare Customer Service immediately to request service.</p>
	<p>DANGEROUS VOLTAGE Do not remove the base cover—there may be electrical energized components, even when the T7 is in standby mode. Opening of the base by unauthorized personnel may cause injury and/or death. If the unit is not working properly, please contact Capsa Healthcare at 800.437.6633.</p>
	<p>T7 SYSTEM WEIGHT LIMITS FOR POWERED CART Gantry can accommodate accessories weighing up to 25 lb. (11.5 kg) such as but not limited to flat-panel (1 or 2) displays, scanners, bottles, etc. Keyboard can accommodate accessories of up to 5 lb. (2.25 kg) Laptop tray can accommodate accessories of up to 25 lb. (11.5 kg) Storage Drawers (including optional MedLink) weighing up to 67 lb. (30.4 kg) Work Surface can accommodate total weights of 122 lb. (55.3 kg) (includes accessories on Gantry, Keyboard, Laptop Tray and any additional accessories)</p>
	<p>DO NOT USE THE UNIT IN OR NEAR WATER OR OTHER LIQUIDS If the unit becomes wet, power it off immediately by unplugging the AC power cord from the wall, holding the power button under the back right corner of the work surface (if standing in front of the cart), and pulling the circuit breaker switch under the left side of the base. Wipe away any excess liquid and allow it to dry before use.</p>
	<p>DO NOT IMMERSE THE POWER SYSTEM IN WATER This is an electrical hazard and can cause damage to the unit, as well as injury to the user.</p>
	<p>USE A NONFLAMMABLE CLEANER WHEN CLEANING THE UNIT Failure to do so can result in death, explosion, or fire. Always unplug the unit before cleaning.</p>
	<p>DO NOT LEAVE THE UNIT UNATTENDED AROUND CHILDREN Failure to do so can result in injury or death.</p>
	<p>Connecting electrical equipment to the Multi-Socket Outlet effectively leads to creating a Medical Electrical system and can result in a reduced level of safety.</p>
	<p>An extension cord or additional Multi-Socket Outlet may not be connected to the T7's integrated Multi-Socket Outlet.</p>
	<p>Only equipment to be used as part of the T7 system or compatible with power requirements may be connected to the Multi-Socket Outlet for power.</p>
	<p>Potential loss of data if battery runs out of power. Plug in AC cable to charge battery if the low-battery alarm sounds.</p>
	<p>The Non-powered T7 cart may have greater risk of leakage current with user-installed technology on-board.</p>
	<p>Installing technology in the Non-Powered T7 will pose a greater risk of hazard due to liquid spills. Extra precaution should be taken.</p>
	<p>A hazardous risk of tipping exists when the T7 encounters either of the following heightened concern conditions:</p> <ul style="list-style-type: none"> • Navigating a step up or down of 1.5 in. (40 mm) or greater; proceed with caution or find assistance in moving the cart over a change of height of this magnitude. • Positioned on an inclined surface of 10° or more; avoid when applicable, but if necessary, proceed with caution or find assistance to maintain cart stability by firmly holding push handle at all times.

Unpacking and Preassembly

The T7 Point-of-Care Technology Cart should arrive upright inside a cardboard carton strapped with two plastic straps. Inside the shipping carton is a smaller cardboard container storing all standard and optional hardware. The entire outer packaging should be plastic shrink-wrapped. Removal of the T7 from the packaging must proceed as follows to avoid damage and the possibility of lost parts.

i IMPORTANT: Maximum total power rating for electronic equipment connected to the T7 is 150 W.



CAUTION

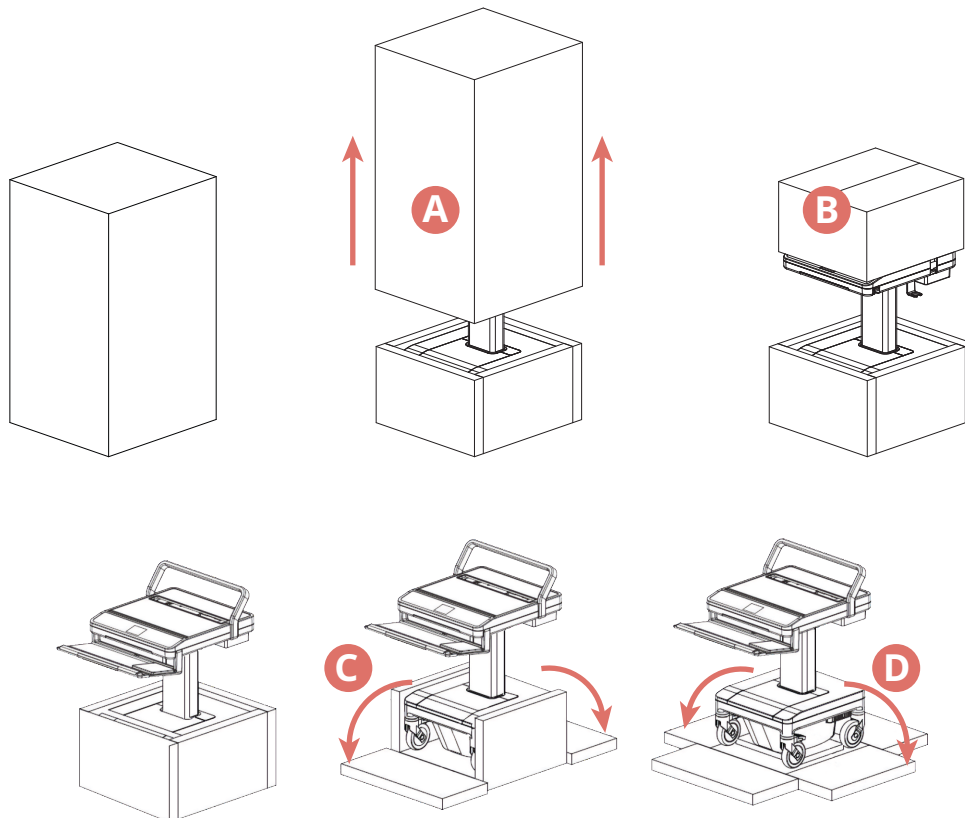
Additional safety risks may arise if devices not compliant with the following standards are connected to the T7:

- IEC/UL/CSA 60065
- IEC/UL/CSA 60950-1
- IEC/UL/CSA 62368-1
- ICES-003

Unpacking the T7



IMPORTANT: For safety reasons, two people must remove the T7 from its shipping pallet.



1. Remove the shrink wrap from the shipping container.
2. Remove the packing straps.
3. Slide the box (A) up from the contents.
4. Remove the hardware box (B) and set it aside.
5. Lower the front and rear panels of the base enclosure (C).
6. Lower the left and right panels of the base enclosure (D).
7. Roll the cart off the shipping base.

Mounting a monitor

The T7 has two types of monitor mounts, fixed and height-adjustable. Both utilize a similar quick-release lock and VESA mounting plate.

After the monitor is mounted, the power and data cables can be routed inside the gantry by removing the rubber cover on the back.



CAUTION: Adding a monitor may cause instability risks. The unit should be handled with caution with a monitor attached.

Fixed-Height Monitor Assembly

1. Mount the VESA plate to your monitor using either the four 75 mm- or 100 mm-spaced holes as needed.
2. Lower the monitor arm by inserting the tongue on the back of the VESA plate into the quick-release mount on the cart; be sure that you hear a click.

Adjustable-Height (UFEA) Monitor Assembly

1. To detach the VESA plate from the UFEA body, first loosen the four screws inside the UFEA track and slide the UFEA body to the left, allowing you to pull the body away from the VESA plate.
2. Mount the VESA plate to your monitor using either the four 75 mm- or 100 mm-spaced holes as needed.
3. Determine the appropriate positioning for the UFEA on your monitor and slide the UFEA body back on the VESA plate at the corresponding position; be sure that you hear a click.
4. Slide the body to the right, setting the screws in the smaller holes and tightening them down.
5. Lower the monitor and UFEA onto the monitor arm by inserting the tongue on the back of the UFEA into the quick-release mount on the cart.

Installing a computer

Prior to reattaching the work surface covers, you must install a computer, using the T7's computer-strap assembly to stabilize the computer during use.

Installing a computer (thin client, laptop, or small form factor PC)

1. Remove the back panel of the work surface and then the front work surface cover by removing the four screws from the underside of the work surface frame.
2. Plug the computer's power adapter to one of the outlets inside the technology well.
3. Slide the brackets of the computer hold-down assembly into the slots on the frame beneath the work surface and set their width to be slightly greater than the computer's.
4. If using a laptop, set the laptop on the frame of the work surface. Install domed bumpers under rear of laptop to raise the screen to the preferred height through the slot in work surface and, with the screen open, move it toward the cutaway in the rear cover.
5. For all other computer types, place the computer between the brackets on the frame of the work surface.
6. Thread the hold-down strap through the loop-end and tighten it across the computer, being sure that it is tight across the top and that the brackets are close to the computer body.
7. Power on the computer, and place the front work surface cover over the computer. Then, replace the back panel of the work surface and lock it. Secure the cover with the four screws removed earlier.

After the computer and monitor have been installed, reattach the front work surface cover, using the four screws removed earlier. Slide the rear cover on, being sure that it fits securely with the front cover, and lock it using the keys provided.

Operation

Power system overview

Please read the following details regarding the T7 Point-of-Care Technology Cart's power system before operation.

Initial system startup and shutdown

Before the T7 cart can be used for the first time, the battery module must be fully charged. When shipped from the factory, the battery module is disconnected from the electronics portion of the system for storage. To reconnect the system:

1. Remove the battery cover at the base of the cart.
2. Locate two 20 A fuses (these are inside a plastic bag taped to the side of the battery) and re-connect them into the fuse holders.
3. Connect the battery cable to the battery.

There are two RJ45 connector ports on the battery; you can use either one.


4. Replace the battery cover.
5. Locate the cart's power cord and plug it into a powered hospital-grade wall receptacle.
6. Locate the AC on/off switch where the power cord enters under the work surface, about 5.5 inches (14 cm) in from the right side of the cart, and press the switch.

The LEDs to the right of the display will light up. Depending on the length of the time the cart was in transit or in storage, you may get a different configuration of lights (see **Battery Level Indicator** on page 28).

7. To turn the T7 cart on, locate the main power button located under the rear left side of the work surface when facing the front of the cart. The button is about 2 inches (5 cm) in from where the gantry meets the cart. Push and hold the button for a few seconds until you hear a click and a beep.

The display will illuminate and go through a boot-up process and to the main screen.

The process described above can be found in more detail inside the quick start guide included with every T7 cart.

8. Every time you turn the T7 on, you must calibrate the cart's height.
 - a. Tap  **Settings** at the top right hand of the display.
 - b. Scroll down and tap **Calibrate height adjust**, then tap **OK**.
 - c. The column will automatically move up and down during calibration.
 - d. After calibration is complete, the T7 cart will be ready for use.

To power the system down, push and hold the main power button (on the left, under the work surface near the gantry) for a few seconds until you hear a beep and the display turns off.



IMPORTANT: When operating the T7 with the AC plug connected to a socket, do not position the unit so it is difficult to disconnect from the wall or reach the AC switch in the event of an emergency.

Proper power system recharging

TIP: To prolong the T7's power system and condition the battery for optimal performance, always charge the battery fully.

To recharge the T7, plug the power cord into a hospital-grade receptacle.

The cart has started its charging cycle when the BLI lights strobe from bottom to top.

NOTE: Initially all of the LEDs may be dark or only the red LED illuminated.

For maximum battery utilization and long life, the cart power system features a sophisticated charging system with four modes of charge: **Trickle**, **Bulk**, **Overcharge**, and **Float Charge**.

- When first plugged in, the cart enters **Trickle Mode**, during which a small amount of current is fed to the battery system to determine its voltage level and state of charge.
- When a predetermined level is reached, the charger automatically transitions to **Bulk Mode**, during which the recharge current is delivered to the battery at maximum level to facilitate faster restoration of operation.
- As the battery reaches full capacity, the charger moves into **Overcharge Mode** to ensure that maximum charge is returned to the battery.
- The charger then enters a **Float Charge Mode** for long-term maintenance of the charge level until power is drawn from the system.

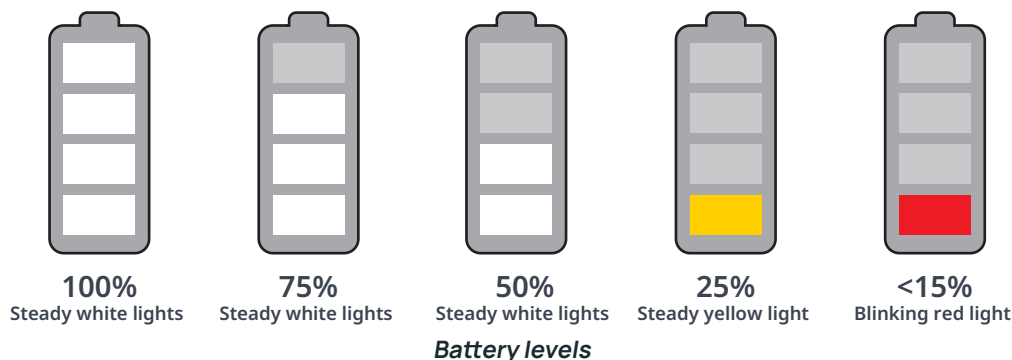
TIPS TO OPTIMIZE YOUR BATTERY LIFE

- Do not let the battery drain to a fully discharged state (which you will be alerted to by a sound and a red indicator on the dashboard next to the screen). If the battery reaches a discharged state, this will potentially damage the life of the battery. If possible, plug the T7 in frequently to keep the charge as strong as possible and prevent a fully discharged state.
Always fully charge the battery. Do not stop charging until the battery has reached a full charge.
- Do not store the battery in a discharged state. If possible, keep the T7 plugged in when not in use.

Battery Level Indicator

The Battery Level Indicator (BLI) shows the status of the T7's power system. Several modes are displayed through the BLI.

- **Standby Mode:** The cart is turned off or the battery is fully discharged. All of the T7's BLI lights are dark.
To set the cart to **Standby Mode**, press and hold the main power button near the left rear of the cart, on the underside of the work surface. The button is located about 2 inches (5 cm) in from the left side, near where the gantry meets the cart.
- **Charging Mode:** The BLI is depicted with four bars representing increments of battery charge level. If the battery is less than 25% charged, the lowest bar will be blinking. If the battery is less than 50% charged, the lowest bar will be solid and the second bar will be blinking. If the battery is less than 75% charged, the lowest two bars will be solid and the second to highest bar will be blinking. If the battery is less than 100% charged, the lower three bars will be solid and the top bar will be blinking.
- **Charging Finished Mode:** When input power is removed from the cart by unplugging from the wall, all four lights are illuminated.
- **Discharge Mode:** The BLI displays how much battery capacity is left. At full battery capacity, all lights are illuminated. As power is drawn from the battery, the lights extinguish sequentially from top to bottom, counting down capacity in approximately 25% increments. Once the cart reaches the 25% level, the bottom LED turns to yellow. Once the battery level reaches the critically low battery level, the bottom LED turns red and an optional beeping sounds. This is an indication that approximately one minute of run time remains and the system should be plugged in immediately to prevent loss of operation and/or data.



Power button

The T7's power button is located underneath the work surface, in the rear left-hand corner as you are facing the cart. Its main function is to limit power to the customer accessory outlets. It also turns the touch screen display off. This function is useful when initially configuring added equipment (for example, a computer, monitor, or scanner) or to reduce discharge of the internal battery when the cart will not be used for an extended period of time.

Adjusting the T7

Proper ergonomics can help reduce and prevent workplace injuries by lessening the physical demands on the worker. Ergonomically designed products, such as the T7 point-of-care technology cart, take into account the wide range of people who will use the product, so that everyone, regardless of their stature, can use the product easily and comfortably—essentially, allowing the job to fit the worker instead of the other way around.

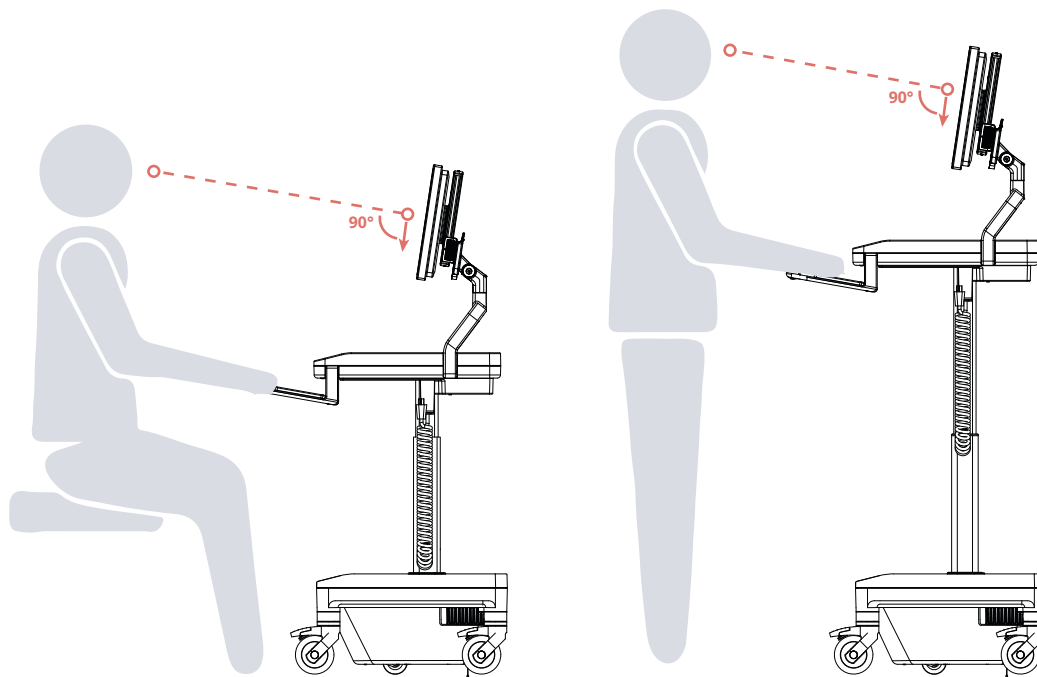
The T7's 20 inch (50.8 cm) height range ensures comfortable accommodation for both seated and standing workers.

TIPS ON USING THE T7

- Push the cart with arms placed close to body. Do not pull the cart. Pushing utilizes your own body weight, while pulling causes undue stress and can result in ankle and knee injury.
- Keep the cart well maintained and the cart equipment organized. A well-maintained cart will be easier to move and an organized cart will be less susceptible to accidents.

Ergonomic monitor positioning

Position the monitor so that the top of the screen is slightly below eye level.



Troubleshooting and Frequently Asked Questions

Why am I not getting power to the computer or monitor?

First, be certain that all power cords are properly connected to the outlet mounts and that all equipment power switches are turned on, meaning the computer, monitor, and any other accessories that will be plugged into the internal AC Power Source Triple Tap. Also, the correct switches on the T7 must be engaged to get power to the Internal AC Power Source Triple Tap. Be sure that the Battery Level Indicator (BLI) is not showing a red or blinking red light. If so, the T7 needs to be charged.

How do I know if the T7 requires charging?

Check the Battery Level Indicator (BLI) on the front of the T7. If the red light is illuminated or blinking red, the cart needs to be charged. The T7 may be charged at any time, but immediate charging is recommended if the BLI is showing orange or red. (See **Battery Level Indicator** on page 28.)

When should I charge the system?

When the T7 first arrives, charge it to full capacity. (See **Initial system startup and shutdown** on page 27.) After the proper initial charge, you may recharge at any time, but charging is recommended when the BLI is showing red.

Can I access the power supply to repair it?

No. Do not attempt to access or repair the power supply. Tampering with the power supply could damage the T7, void the warranty, and cause personal injury. You must contact Capsa Healthcare so that a trained technician can service the cart.

Can I use an extension cord with the T7?

For safety reasons, using an extension cord with the T7 is not recommended. This applies to all outlets and power cords connecting to and from the cart. The T7 comes with a coiled AC cord that should provide necessary extension.

What should I do if the power goes out while I'm recharging the T7?

Unplug the T7 from the AC outlet. When power is restored, continue recharging.

If the T7 gets wet, what should I do?

Unplug it and power it off immediately, wipe off any excess liquid, and allow the T7 to dry before using it again.






What happens when the battery runs out while the cart is adjusting?

When power is restored, calibrate the cart (see **Admin Settings > Calibrate height adjust** on page 21). To calibrate, tap the **Calibrate** button. The T7 cart will start to move up and down. When calibration is finished the cart will be left at its maximum height.

Technical Information

To ensure optimal performance of the T7 Point-of-Care Technology Cart, please observe the following maintenance and cleaning schedule monthly.

Cart maintenance

	<p>SERVICE AND REPLACEMENT</p> <p>Do not attempt to service or replace any part of the T7 unless directed to do so through Capsa Healthcare approved documentation (this User Manual or other instructions). Only Capsa Healthcare or a Capsa Healthcare certified entity may service or replace the cart components. If any component on the cart is missing or damaged, the cart must not be used. Contact Capsa Healthcare Customer Service immediately to request service.</p>
	<p>CABLES</p> <p>All cables aside from the AC power cord, keyboard USB, mouse USB, and PC/laptop power cords are routed internally within the T7. Be sure that cords are clean and not broken or cut at any location. Be sure that they are solidly connected to their respective outlet.</p>
	<p>CASTERS</p> <p>Check casters periodically to ensure that they are clean and free of any debris that could prevent smooth operation. Avoid moving the T7 across uneven, dirty, or damaged surfaces.</p>
	<p>CUSTOMER EQUIPMENT</p> <p>Be sure equipment is balanced and mounted securely to the T7. Repositioning the cart components too high or too low may create an unstable condition, leading to equipment damage or personal injury.</p> <p>NOTE: Failure to adhere to these guidelines may void the Product Warranty. (See Warranty on page 44.)</p>
	<p>BATTERY MAINTENANCE</p> <p>All battery maintenance must be performed by a trained technician. Before performing all battery maintenance, put the T7 in Standby Mode (see Battery Level Indicator > Standby Mode on page 28), unplug the power cord from the wall, and disconnect the ground (black) lead from the battery. Visually inspect the cart's battery monthly. If a battery bulges severely on charge, it is an indication of a blocked valve or an overcharge situation. Please contact Capsa Healthcare if you notice any battery defects. Cable connections must be cleaned and tightened as part of your scheduled maintenance. Many battery problems are caused by dirty or loose terminal connections. First, remove the battery from the T7 prior to cleaning. The battery terminals should be cleaned using three tablespoons of baking soda in a pint of water. The battery supplied with the T7 is sealed. Never attempt to open the battery or add any water or other fluids.</p> <p>Disconnect and remove the battery from the cart when there is any scheduled service, and all situations which places the T7 cart in an inactive state for more than 14 days.</p>

Cart cleaning

The following cleaning agents and chemical compounds were tested and approved to have contact with the exterior surfaces of the T7 Mobile Technology Cart.

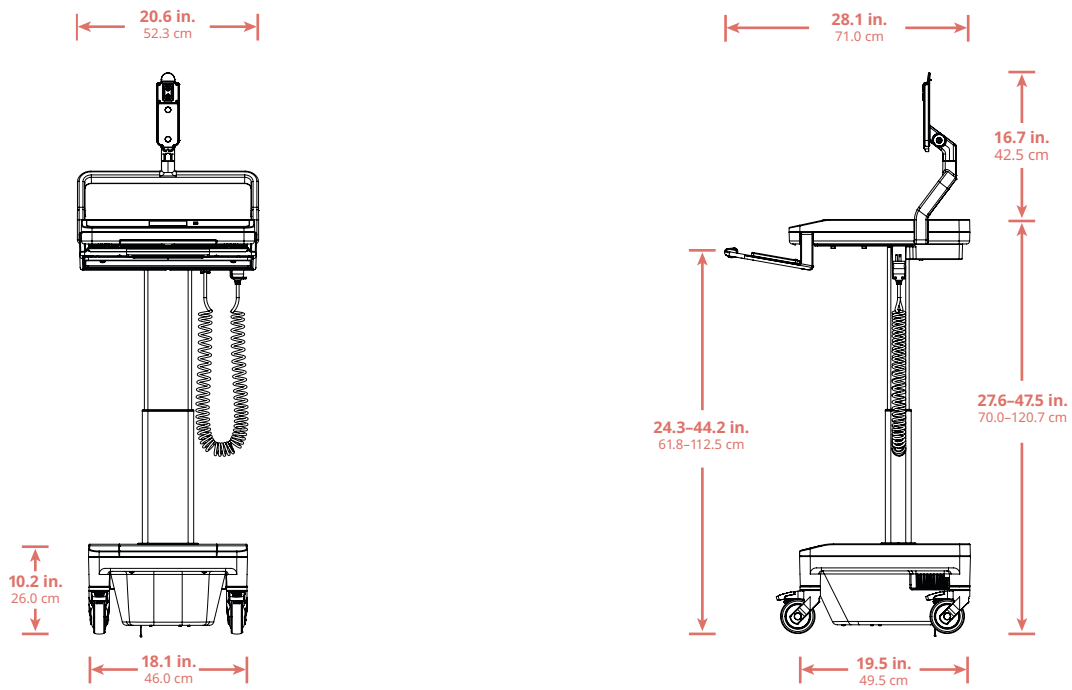
CLEANING AGENTS	CHEMICAL COMPOUNDS
<ul style="list-style-type: none"> • Quaternary Ammonium Compound Disinfectant (Used to disinfect medical devices) • Simple Green all-purpose cleaner (concentrated) • Bacillol 25 (Bacillol AF/Bacillol 30 Equivalent Alcohol-based cleaning agent) • Mikrobac Forte (Indicine Equivalent and 3rd generation QAC) • Bacillocid Extra (Formaldehyde-based cleaning agents) 	<ul style="list-style-type: none"> • Isopropyl Alcohol (99% or greater concentration) • Betadine (10% Povidone-Iodine solution) • Coffee (solution) • Cola (solution) • Dextrose (5% Glucose solution) • HCL (0.5% solution, pH=1) • Hydrogen Peroxide (6% solution) • NaCl Solution (0.9% solution) • Electrode Gel (98% water, 2% Carbopol 940 solution)



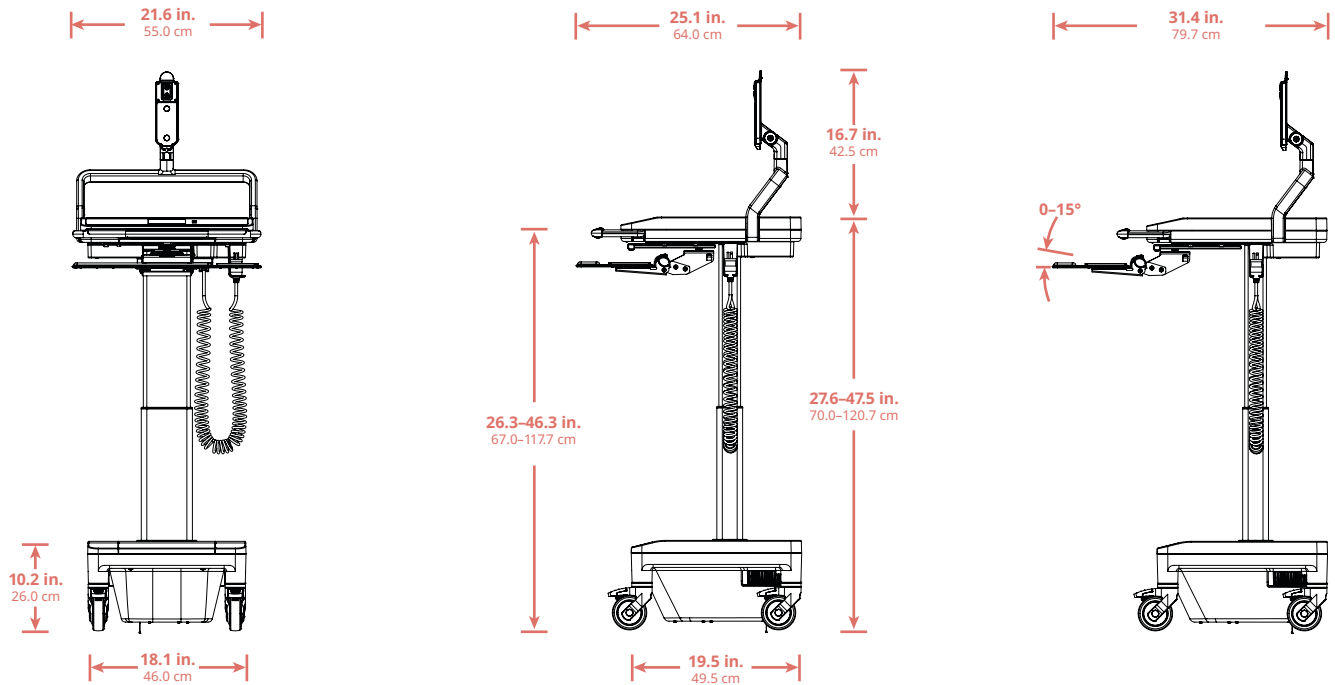
IMPORTANT

- Always unplug the cart and power it down before cleaning.
- Never clean the cart with steel wool or other abrasive materials that will damage the surface finish.
- Do not rub a wet or damp cloth over any electrical components.
- Do not immerse the cart or its components in liquid or allow liquids to flow into internal compartments or over any electrical components.
- Thoroughly dry all surfaces after cleaning.
- Do not use flammable cleaners on cart surfaces due to close proximity of electrical power and equipment.
- Test any cleaning solution on a small, inconspicuous area to ensure the surface is not harmed.

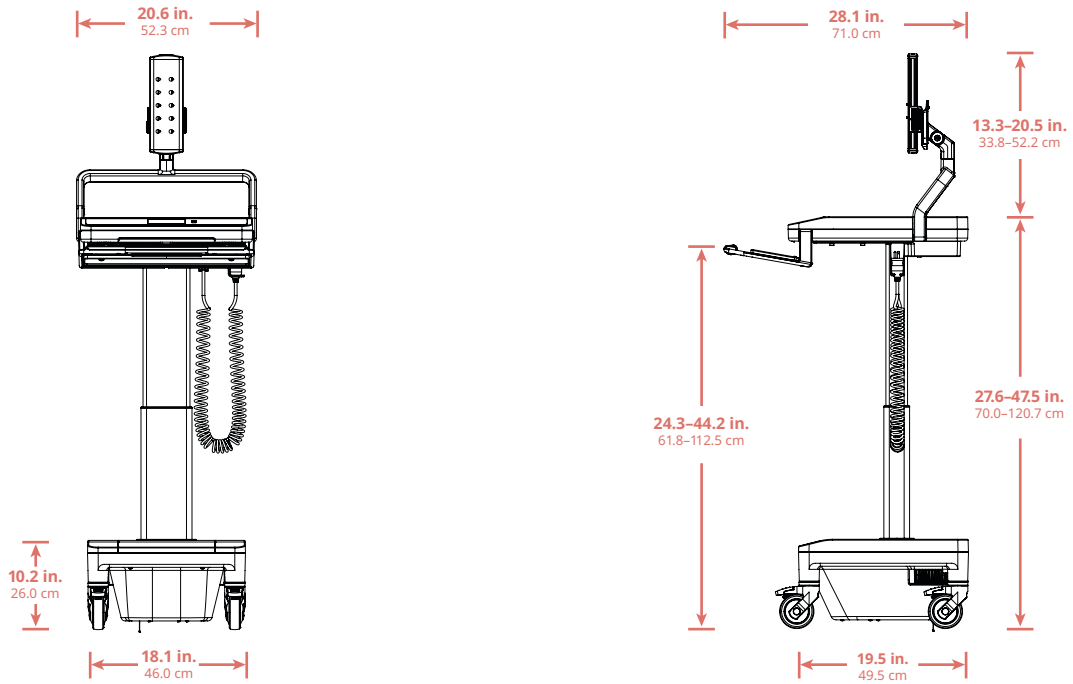
Dimensions and range of adjustments



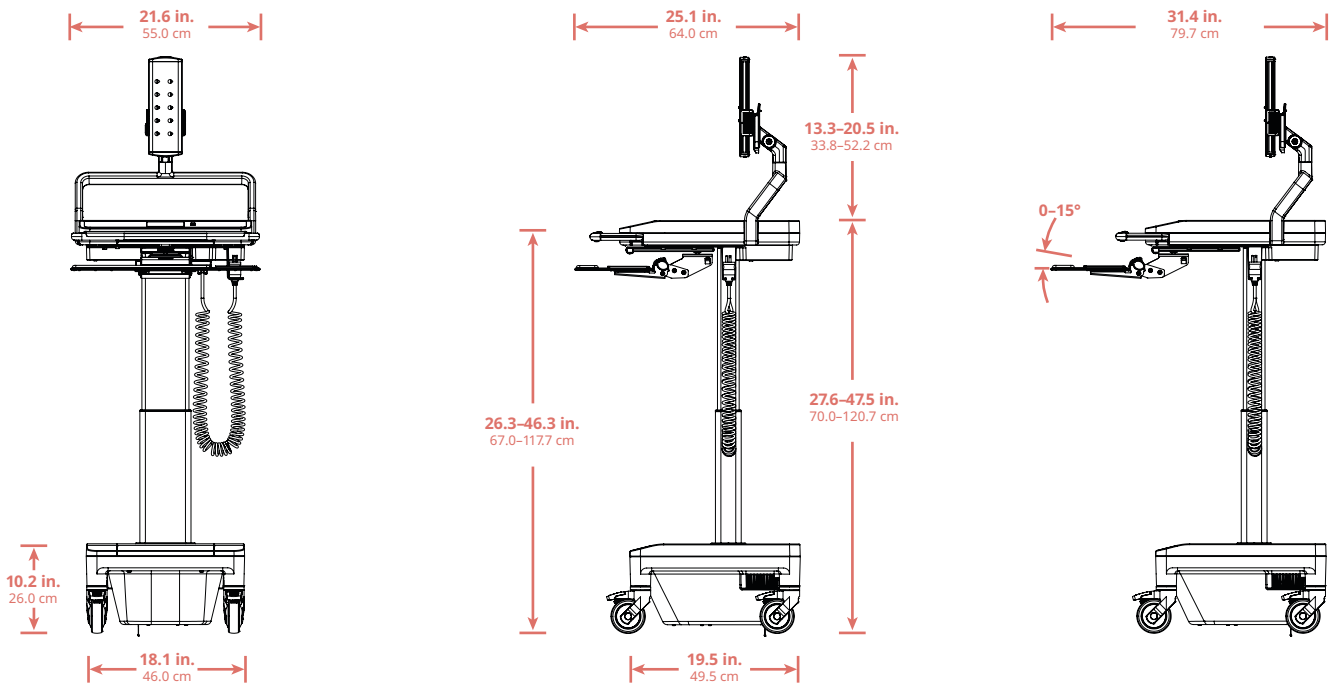
T7 Powered Cart: PC, fixed monitor arm, fixed keyboard tray



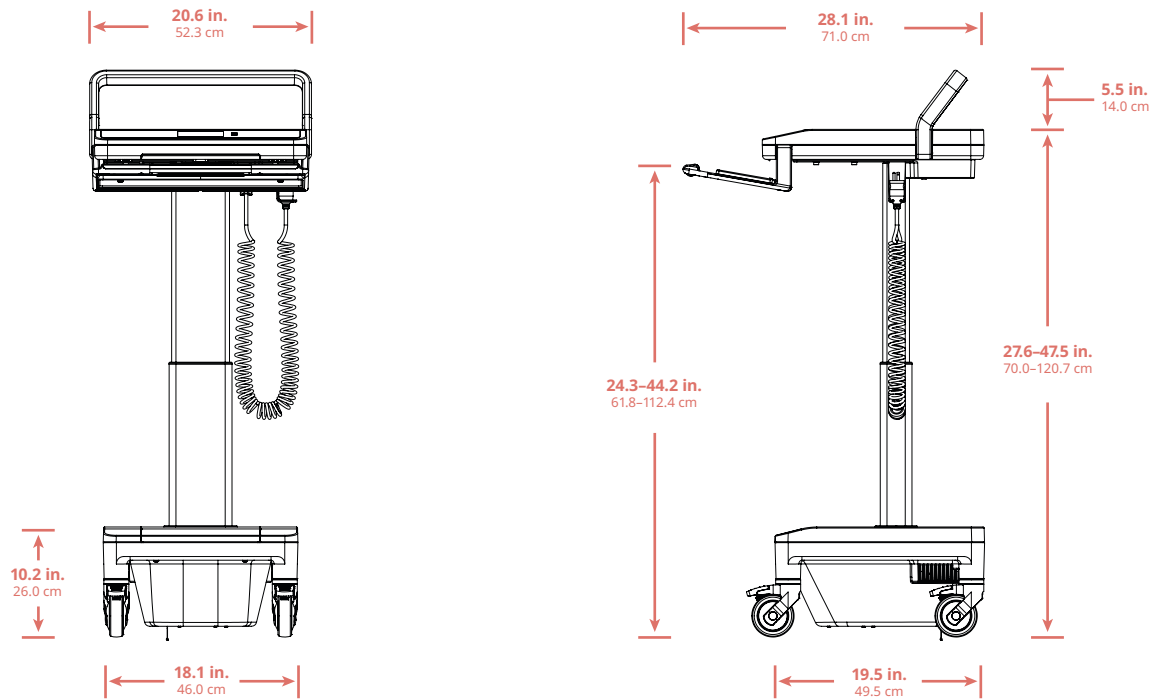
T7 Powered Cart: PC, fixed monitor arm, articulating keyboard tray



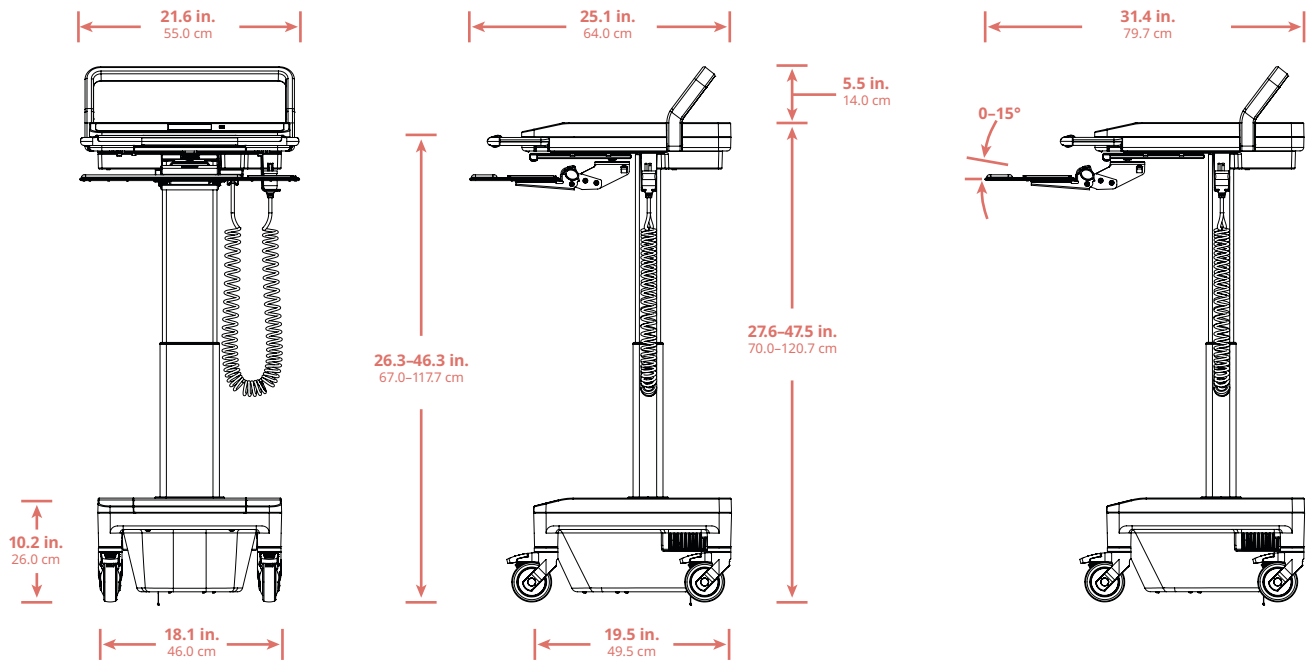
T7 Powered Cart: PC, UEFA, fixed keyboard tray



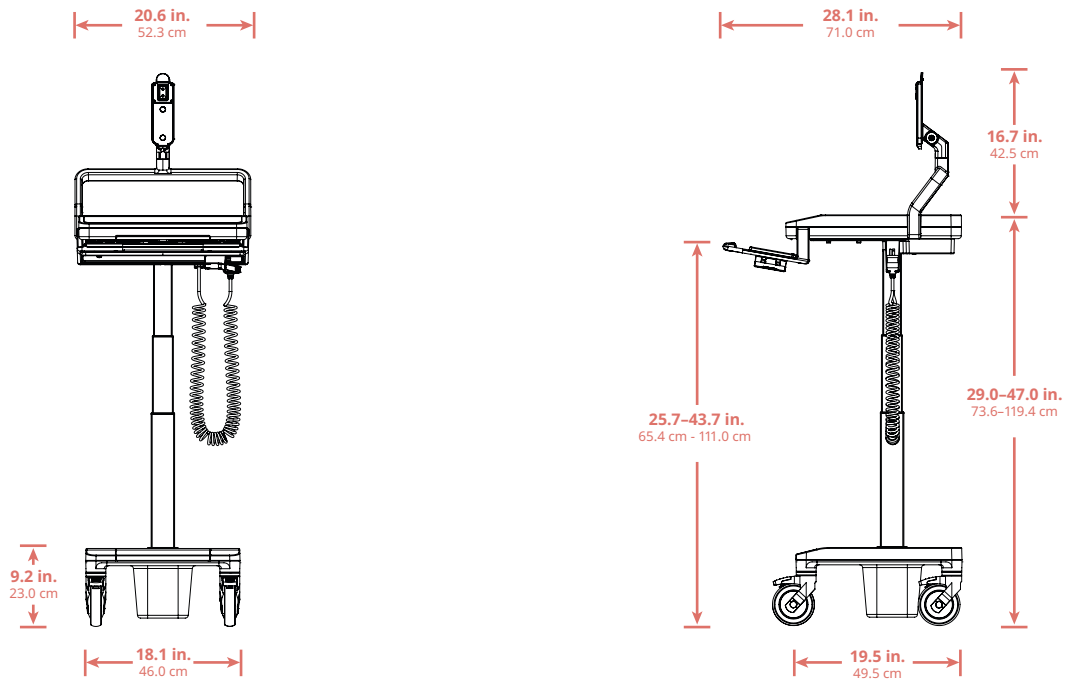
T7 Powered Cart: PC, UEFA, articulating keyboard tray



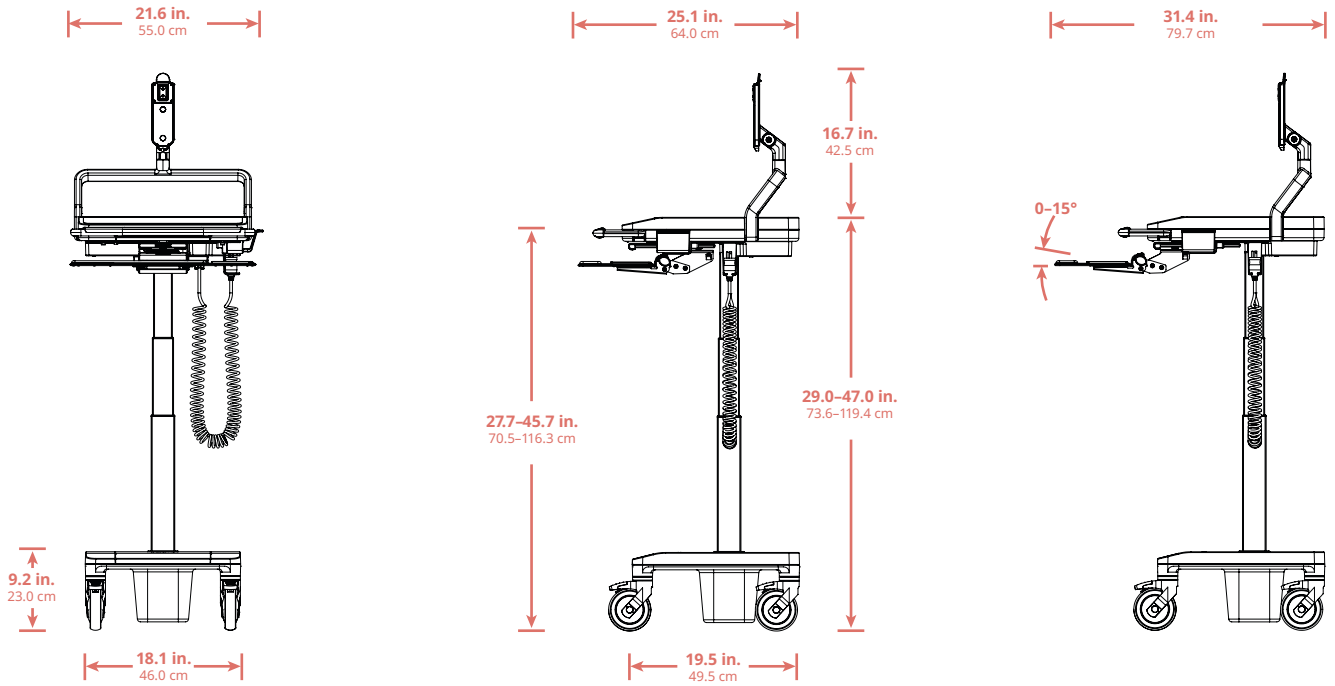
T7 Powered Cart: laptop, fixed keyboard tray



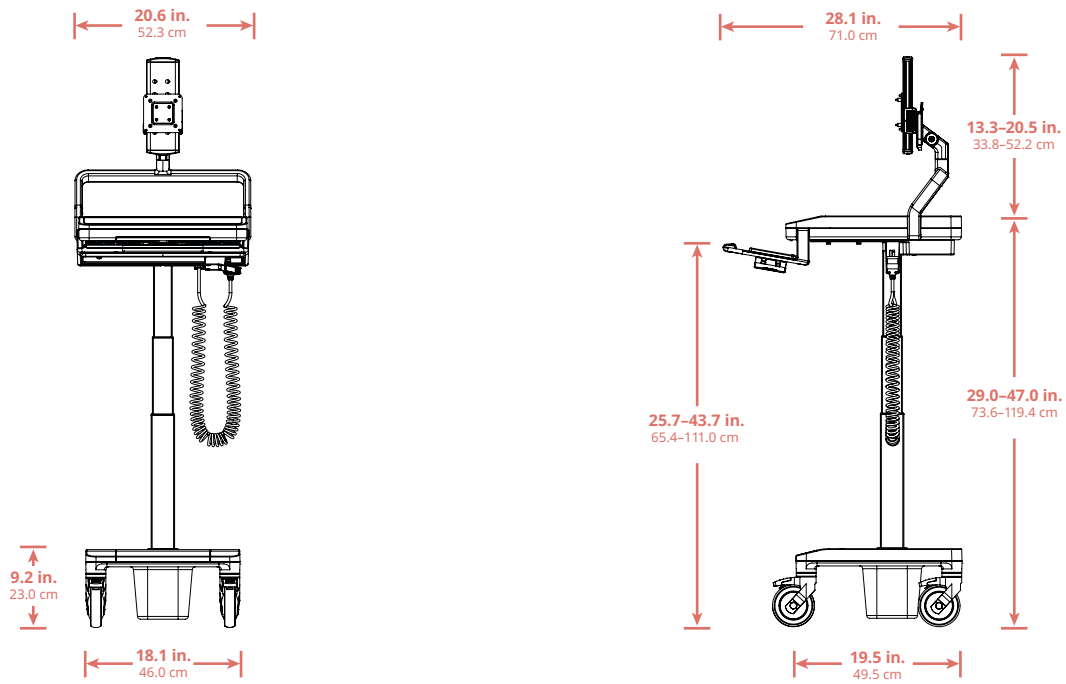
T7 Powered Cart: laptop, articulating keyboard tray



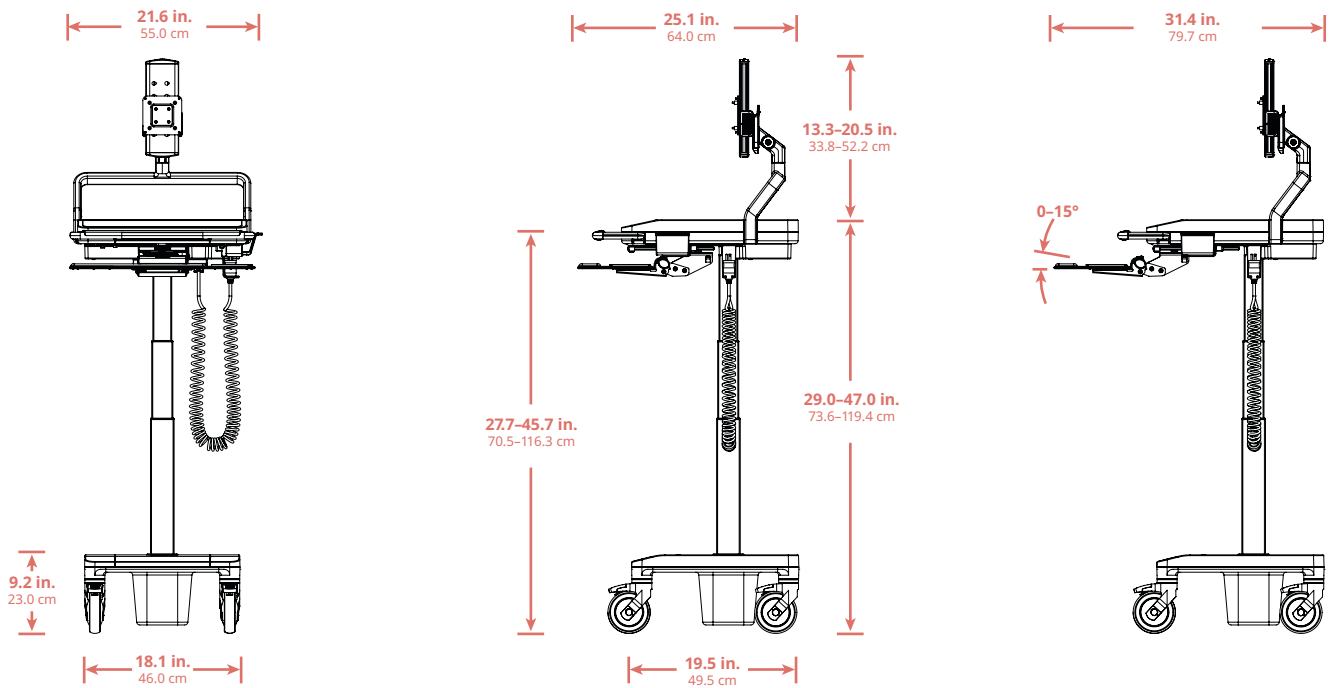
T7 Non-Powered Cart: PC, fixed monitor arm, fixed keyboard tray



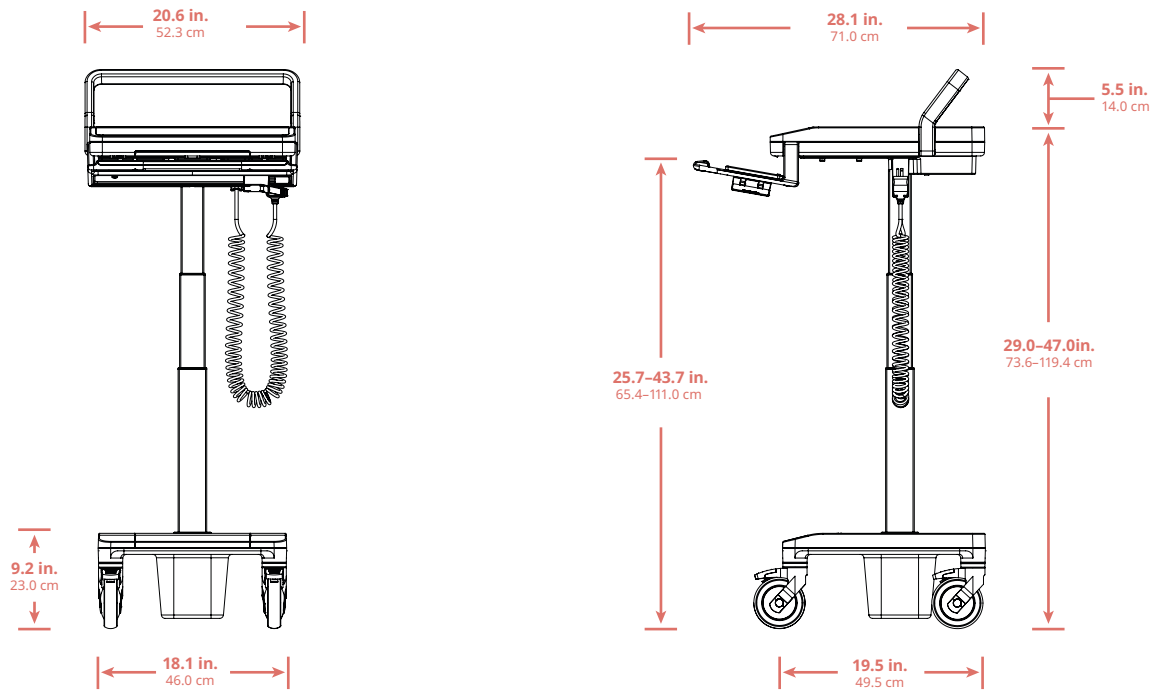
T7 Non-Powered Cart: PC, fixed monitor arm, articulating keyboard tray



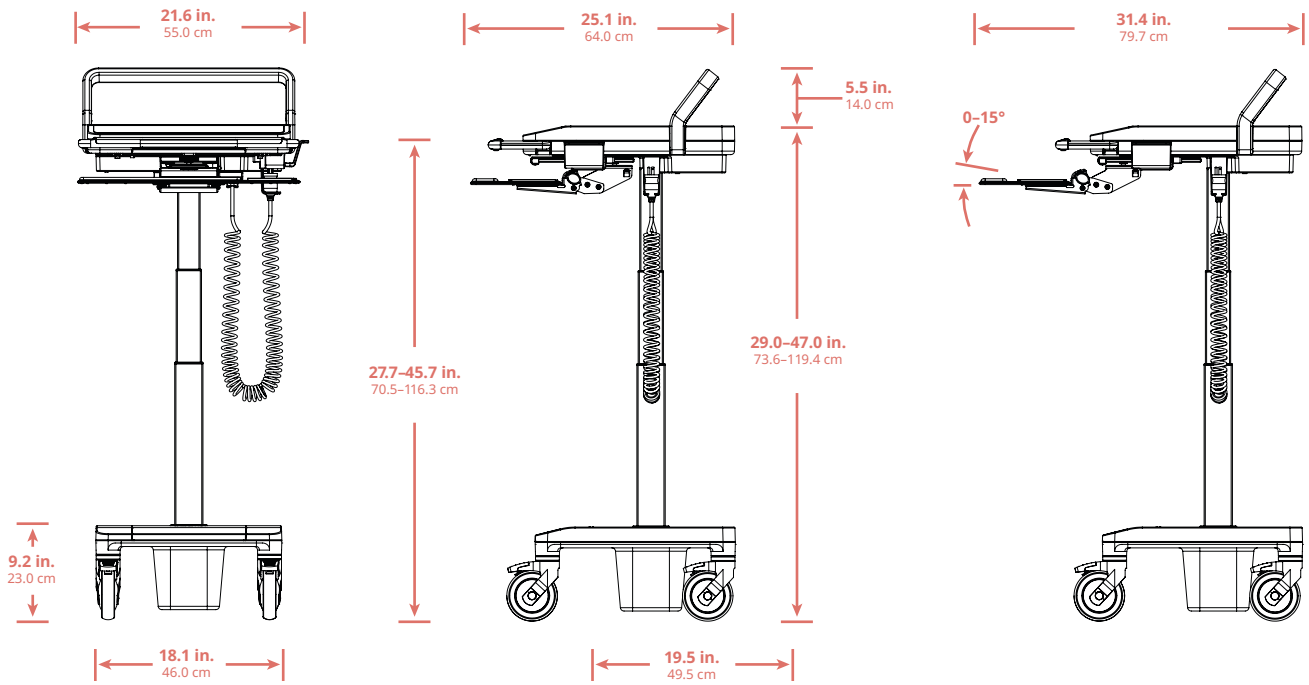
T7 Non-Powered Cart: PC, UEFA, fixed keyboard tray



T7 Non-Powered Cart: PC, UEFA, articulating keyboard tray

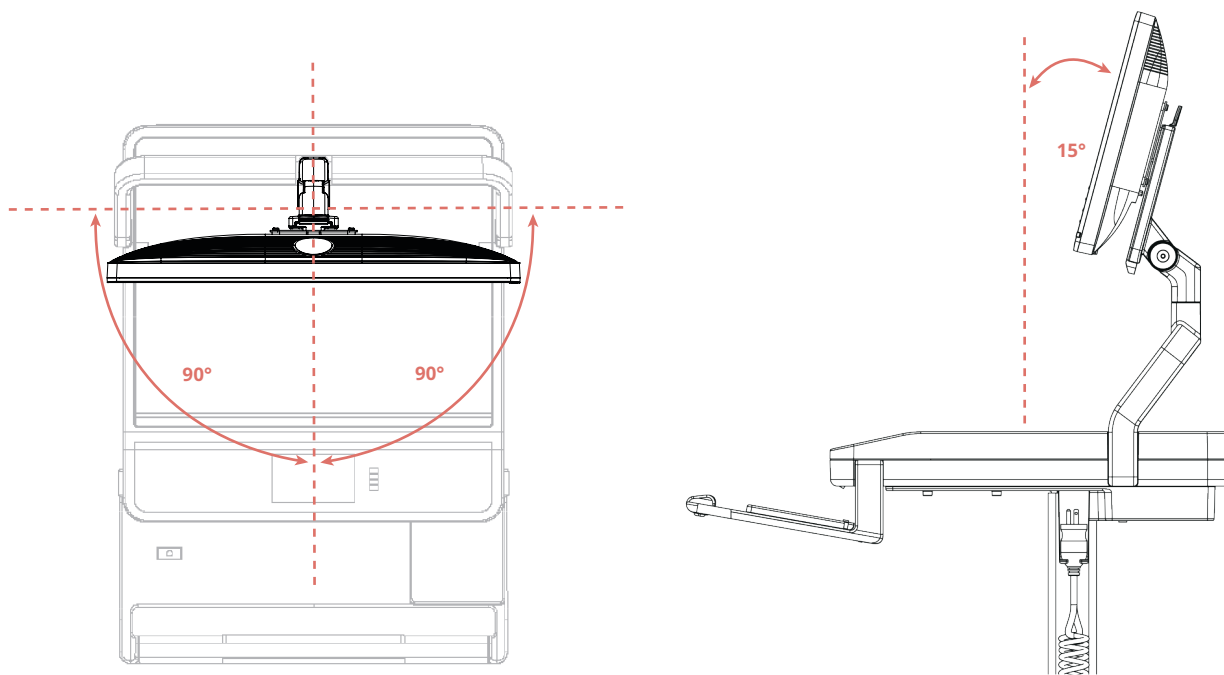


T7 Non-Powered Cart: laptop, fixed keyboard tray



T7 Non-Powered Cart: laptop, articulating keyboard tray

Monitor adjustment range



Monitor rotation range (left) and tilt range (right)

Radiated emissions

The use of accessories and cables, other than those specified or sold by the manufacturer of the equipment as replacement parts for internal components, may result in increased emissions or decreased immunity of the equipment.

The T7 Point-of-Care Technology Cart may cause interference when used adjacent to or stacked with electrical equipment outside the system and could affect normal operation of said equipment. Do not stack additional electrical equipment on top of the work surface enclosure.

The T7 Point-of-Care Technology Cart is intended for use by healthcare professionals only. It may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take mitigation measures, such as re-orienting or relocating the T7 cart or shielding the location.

Recommended separated distances

The T7 is intended for use in the electromagnetic environment specified below in which radiated disturbances are controlled. The T7 user can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF Communications Equipment and the T7 as recommended below, according to the maximum output power of the communications equipment.

i **IMPORTANT:** Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 12 inches (30 cm) to any part of the T7, including cables specified by Capsa Healthcare. Otherwise, degradation of the performance of this equipment could result.

For transmitters rated at a maximum output power not listed above, the recommended separation distance (d) in meters can be determined using the equation applicable to the frequency of the transmitter, where (P) is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

Equipment and systems that are not life-supporting

MAX POWER OUTPUT (WATTS)	SEPARATION (METERS) 150 kHz to 80 MHz $d = 1.2\sqrt{P}$	SEPARATION (METERS) 80 to 800 MHz $d = 1.2\sqrt{P}$	SEPARATION (METERS) 800 MHz to 2.5 GHz $d = 2.3\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

NOTES

- At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.
- These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

Guidance and manufacturer’s declaration: Emissions

The T7 is intended for use in Professional Healthcare Facility environment specified below. The customer or user of the T7 cart should ensure that it is used in such environment.

NOTE: The emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.



CAUTION: Interference may occur in areas where the intensity of electromagnetic disturbances is high such as near active HF surgical equipment and the RF shielded room of a medical electrical system for magnetic resonance imaging. Although these environments are typically found in hospitals they are Special Environments and are not considered part of the Professional Healthcare Facility Environment as defined in IEC 60601-1-2.

All equipments and systems

EMISSIONS TEST	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT—GUIDANCE
RF Emissions CISPR 11	Group 1	The T7 uses RF energy only for its internal functions. Therefore, its RF emissions are very low and are not likely to cause any interference with nearby electronic equipment.
RF Emissions CISPR 11	Class A	
Harmonics IEC 61000-3-2	Class A	
Flicker IEC 61000-3-3	N/A	120V AC 60 Hz input power. The T7 is suitable for use in all establishments, including domestic, and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.

Guidance and manufacturer’s declaration: Immunity

The T7 is intended for use in the electromagnetic environment specified below. The T7 user should ensure that it is used in such an environment.

The T7 has been certified to the safety and EMC requirements of IEC 60601-1-2, 3rd and 4th editions.

All equipment and systems

IMMUNITY TEST	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT— GUIDANCE
ESD IEC 61000-4-2	±6 kV Contact ±8 kV Air	±8 kV Contact ±15 kV Air	Floors should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30%.
EFT IEC 61000-4-4	±2 kV Mains ±1 kV I/Os	±2 kV Mains I/Os N/A	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	1 kV Differential ±2 kV Common	±1 kV Differential ±2 kV Common	Mains power quality should be that of a typical commercial or hospital environment.
Voltage Dips/Dropout IEC 61000-4-11	> 95% Dip Cycle for .05 Cycle 60% Dip Cycle for 5 Cycles 30% Dip for 25 Cycles 95% Dip for 5 seconds	> 95% Dip Cycle for .05 Cycle 60% Dip Cycle for 5 Cycles 30% Dip for 25 Cycles 95% Dip for 5 seconds	Mains power quality should be that of a typical commercial or hospital environment. If the user of the T7 requires continued operation during power mains interruptions, it is recommended that the T7 be powered from an uninterruptible power supply or battery.
Power Frequency 50/60 Hz Magnetic Field IEC 61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be that of a typical commercial or hospital environment.

Equipment and systems that are NOT life-supporting

IMMUNITY TEST	IECC 60601 TEST LEVEL	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT—GUIDANCE
Conducted RF IEC 61000-4-6 Radiated RF IEC 61000-4-3	3 Vrms 150 kHz to 80 MHz 3 V/m 80 MHz to 2.7 GHz	(3) Vrms (3) V/m	Portable and mobile communications equipment should be separated from the T7 cart by no less than the distances calculated/ listed below: $d = \left[\frac{3.5}{V_1} \right] \sqrt{P}$ $d = \left[\frac{12}{V_2} \right] \sqrt{P}$ $d = \left[\frac{12}{E_1} \right] \sqrt{P}$ 80 to 800 MHz where P is the max power in watts and d is the recommended separation distance in meters. Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V₁ and E₁). Interference may occur in the vicinity of equipment containing a transmitter. $d = \left[\frac{23}{E_1} \right] \sqrt{P}$ 800 MHz to 2.7 GHz where P is the max power in watts and d is the recommended separation distance in meters. Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V₁ and E₁). Interference may occur in the vicinity of equipment containing a transmitter.


CAUTION: Do not dispose of the T7 or any associated components at the end of service life. Contact Capsa Healthcare for disposal instructions.

Environmental conditions

Please note these recommended environmental conditions for the transportation and operation of the T7 Point-of-Care Technology Cart. Shipping, storing or using the T7 in extreme conditions outside the recommended range may adversely affect the performance of the T7 and may void the warranty.

CONDITION	RANGE
Storage temperature	23°F to 95°F (-5°C to 35°C)
Storage relative humidity	10% to 80%
Shipping temperature	23°F to 95°F (-5°C to 35°C)
Shipping relative humidity	10% to 80%
Operating temperature	32°F to 104°F (0°C to 40°C)
Operating relative humidity	0% to 95%
Operating elevation	0 to 9,800 ft. (0 to 3,000 m)

System messages

TYPE	MESSAGE	ACTION
System	Clear Perimeter Before Proceeding	Ensure the cart perimeter is cleared before tapping OK to begin the lifter calibration process.
Error	Cart Was Stopped! Please Select User Height	Cart height stopped in range between sitting and standing zone. The user must tap OK and then re-enter the height setting.
System	Pause	Touch screen to pause movement if during lifter travel.
System	Please Enter User Height	Preset Screen: User selects height to be entered for 1 of 6 presets.
Error	Cart Adjustment Was Interrupted! Clear Perimeter and Continue	Collision Detection: The user must ensure that the collision hazard is removed and then tap Resume .
Error	Cart Adjustment Was Interrupted! Clear Perimeter and Enter User's Height.	Collision Detection: The user must ensure that the collision hazard is removed, tap OK , and then re-enter the height.
System	Power Track Enabled	None

Warranty and Compliance

Warranty

For warranty and terms and conditions, please visit www.CapsaHealthcare.com.

FCC Compliance Statement

T7 Cart

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications made to this device that are not expressly approved by Capsa Healthcare may void the user's authority to operate the equipment.

Innovation, Science and Economic Development Canada ICES-003 Compliance Notice

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.



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