

DT590IC/ DT590IB

Medical Cart Computer

Frequently Asked Questions



- **How does the DT590 charge the batteries, all at the same time or one at a time?**

Battery is charged to 80% capacity one at a time, then charged to 100% one at a time if all three batteries are at 80% capacity or more.

- **Does the DT590 drain one battery at a time?**

Yes, it drains one battery at a time.

- **What is the charge time per battery from empty to full for the DT590?**

For a new battery, 3 hours to 90% capacity, another 1 to 1.5 hours to fully charge to 100%.

- **What is the duty cycle of the battery and how many full charge does it take before it needs to be replaced for the DT590?**

Under 25 deg C test condition, the battery can still retain 70% of its design capacity after 300 cycles; 50% after 500 cycles.

- **What is the difference in runtime between the Celeron in the DT590IC and the I7 and the DT590IB?**

It depends on the power consumption of the processor used, cache size,... If a 17 watts i7 processor is used, one new battery can sustain the device for around 3.5 hours under typical usage (90% idle time). Both the i7 CPU and the Celeron CPU we use are 17W.

- **Does the DT590 4-bay external charger charge all 4 batteries at the same time?**

Yes.

- **Is the DT590 10hr runtime estimate for 3 fully charged batteries?**

Yes.

- **How do the DT590 batteries discharge? Do they discharge equally among all batteries or one battery at a time?**

One battery at a time.

- **What type of battery strength indicator is used on the DT590?**

Battery has its own indicator by pressing a button; OS will also show battery capacity

- **What type of low battery alerting is used on the DT590?**

LED turns into orange when battery is low, blinking orange if battery is too low; OS will also alert users that battery is low.

- **Which version of WIN7 comes standard on the DT590?**

By default, DT590 is with 64bit OS. 32 Bit is special order.

- **What is the Camera Pixel Resolution on the DT590?**

2 mega pixels.

- **Are the microphone and speakers built-in on the DT590?**

Internal microphone is optional (once this option is ordered, we will have both internal microphone and camera installed). Speakers are built-in regardless of whether this option is installed or not.

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