DT Research Unveils DT574 Medical AIO at HIMSS 2026, Expanding its Battery-Powered Healthcare Computing Line

New Battery Fleet Management Software Developed by DT Research Enables Hospitals to Proactively Monitor Battery Health Across Hundreds of Devices

LAS VEGAS, Nevada, March 9, 2026 – DT Research, a U.S. leader in precision-engineered computing solutions designed for mission-critical and demanding environments, today announced the launch of the DT574 medical-grade All-in-One (AIO) computer and WebDT™ Battery Fleet Manager at HIMSS 2026. The new DT574 expands DT Research's growing suite of battery-powered medical solutions, which includes AIO computers, medical tablets and medical monitors - all designed to operate using a shared battery ecosystem and supported by a centralized battery management platform.

Specifically engineered for modern healthcare environments, the DT574 AIO reflects direct customer input and evolving care delivery models for telehealth and virtual care, while maintaining the performance, reliability, and mobility hospitals expect from DT Research computing solutions.

DT Research will showcase the DT574 medical-grade All-in-One (AIO) computer and the WebDT Battery Fleet Manager at the HIMSS 2026 Global Health Conference and Exhibition in booth 1964, March 10-12, in Las Vegas.

Customer-Driven Design Optimized for Telehealth

Built as a slim, fanless All-in-One mobile computing system for point-of-care use, the DT574 features a 23.8-inch Full HD touchscreen, antimicrobial enclosure, and ANSI/AAMI ES60601-1 medical certification, making it well suited for clean-sensitive clinical environments. The system supports VESA mounting for flexible deployment and optimized mobility, while its IP65-rated sealed front bezel and IP54-rated enclosure help protect against liquids and contaminants commonly encountered in healthcare settings.

A key enhancement of the DT574 computer design is its side-mounted dual battery slots, which was driven by customer feedback to better support telehealth deployments by keeping the top of the unit clear for integrated cameras and peripherals.

"Healthcare providers told us exactly what they needed to support telehealth at the point-of-care," said Daw Tsai, president of DT Research. "By locating the batteries on the side, we preserved camera placement while maintaining a compact, ergonomic design without compromising performance."

The DT574 offers configuration flexibility to meet a range of clinical and IT requirements, supporting Microsoft® Windows® 11 IoT Enterprise or IGEL OS, integrated hot-swappable batteries, and optional features including a dual-frequency RFID reader that supports Imprivata® badges, IR camera, and smart card/CAC reader. Powered by Intel® processors and designed for energy efficiency, the DT574 enables reliable performance for telemedicine, patient data access, and everyday clinical workflows.

The DT574 is part of a broader battery-powered ecosystem designed to simplify deployment and management across hospital environments. The same DT Research batteries power DT Research All-in-One computers and medical-grade monitors. This shared battery approach reduces complexity for IT teams, minimizes spare inventory requirements, and streamlines long-term maintenance planning.

Battery Fleet Management Software

To further address hospital IT and clinical engineering challenges, DT Research designed and developed the WebDT Battery Fleet Manager, a centralized battery fleet management platform that supports streamlined clinical workflows for DT Research computing solutions.

"Battery management is a critical yet often overlooked challenge for healthcare IT teams," said Shawn Wigham, managing director at HPA and Wamee. "DT Research's battery fleet management software delivers real-time visibility into battery health and status, enabling IT teams to proactively manage replacements, reduce device downtime, and efficiently track batteries across large clinical deployments."

With WebDT Battery Fleet Manager, IT teams can access:

- Battery health and state of charge
- Temperature status
- Alert system for low-health or critical replacement warnings
- Battery serial numbers
- Custom tags to label and group batteries deployed across departments
- Tips on best battery management practices

"Hospitals often manage hundreds of batteries across AIO computers, medical tablets and monitors," said Kevin Tsai, head of product engineering at DT Research. "Each battery will have a typical operational lifespan of two to three years - significantly shorter than the devices themselves, which may remain in service for many years. In mission-critical healthcare environments, this makes proactive battery monitoring and timely replacement essential. Our new battery fleet management software provides real-time visibility into battery health to help prevent downtime and unexpected failures."

Availability

The DT574 medical-grade All-in-One (AIO) computer and WebDT™ Battery Fleet Manager will be available in Q2 2026 from authorized DT Research partners and resellers worldwide.

About DT Research

DT Research™, a U.S. leader in precision-engineered computing solutions designed for mission-critical and demanding environments, delivers the world's most comprehensive line of Rugged Tablets, Medical Computing Solutions, and Rugged Laptops. DT Research products are uniquely designed with customizable built-in options assembled in California, providing customers with rapid time-to-market solutions that are TAA compliant. The DT Research family of products is based on embedded computing platforms that power secure, reliable and cost-effective computing. DT Research systems offer computing mobility within industrial and harsh environments through durable solutions with wireless connectivity, high-quality touch displays and Windows®, Android, and Linux operating systems. More than 200 organizations across the globe rely on DT Research solutions in industries such as government, healthcare, hospitality, logistics, military, construction and warehousing. DT Research is headquartered

in Silicon Valley, California. For more information, visit www.dtresearch.com and follow @dtresearch, #MilitaryTablets, #RuggedTablets and #MedicalTablets.

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