

Avalue Launches HID-2146 Medical Panel PC Integrating AI, Medical Imaging, and Powerful Computing

TAIPEI, TAIWAN, July 6, 2026 /EINPresswire.com/ -- Avalue Technology Inc. (TPEX: 3479.TWO), announces the launch of the new [HID-2146](#) Medical Panel PC, a 21.5-inch AI-ready healthcare platform designed to support advanced medical imaging, AI inference, and intelligent clinical applications.

Powered by the latest Intel® Arrow Lake U Core™ Ultra Processor, HID-2146 delivers powerful computing performance with improved energy efficiency for modern healthcare environments. The system is also compatible with NVIDIA® T400E GPU cards, enabling enhanced graphics processing and high-resolution medical imaging performance for applications such as ultrasound systems, surgical visualization, diagnostic imaging, and endoscopy.

Designed as an AI-ready medical platform, HID-2146 features PCIe Gen3 x4 expansion optimized for AI inference and medical imaging workloads, offering flexible integration for AI acceleration and edge computing applications. Its low-power, quiet, and reliable all-in-one design makes it ideal for long medical lifecycle deployments in hospitals and clinical environments.

To support seamless medical device connectivity, HID-2146 includes a built-in Video Capture Card capable of high-speed, high-resolution video input from various medical imaging devices. The system also provides extensive I/O connectivity, including 1 x Intel® I226LM 2.5GbE LAN, 6 x USB 3.0 Type-A, 1 x USB Type-C, 1 x COM port, PCIe x4 expansion slot, and IET expansion slot for flexible peripheral integration.

For enhanced safety and reliability in medical environments, HID-2146 offers optional 5KV isolation via IET board, supporting isolated LAN, USB, and COM connectivity. The system additionally features Front IP65 and Rear IP54 protection, along with a white anti-microbial



chassis designed to support hygiene and infection control requirements in healthcare facilities.

HID-2146 also supports optional features including NFC, WiFi/Bluetooth, Camera with Array Microphone, Soundbar, Barcode Scanner, and Backup Battery, allowing healthcare providers and system integrators to build customized smart healthcare solutions.

Certified with CE, FCC, and Medical UL compliance, HID-2146 delivers a reliable and scalable medical computing platform for next-generation AI-driven healthcare applications.

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