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Taiwan's Axiomtek launches medical grade AI computing system

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Complies with the IEC-60601 medical safety standard for use in a variety of hospital applications and healthcare environments



Taiwan-based Axiomtek has announced the release of mBOX100, a medical-grade edge artificial intelligent (AI) computing system with dual 4K displays.

Axiomtek's mBOX100 is powered by the Intel Core i7/i5 processor and equipped with two DDR4-2400 non-ECC SO-DIMM slots with a total capacity of up to 64GB.

It has a rugged design with fanless operation for noise-sensitive environments, and antimicrobial coating (optional) as well as white, streamlined design for ideal hospital applications. Even in a small form factor, 250 x 220 x 60mm, the mBOX100 has an excellent thermal design enabling a wide operating temperature from 0°C to 40°C. The system offers 10% to 90% non-condensing humidity tolerance and 3G vibration endurance to secure reliable performance across system. Furthermore, it supports Trusted Platform Module 2.0 (TPM) to provide hardware-based data protection, along with OS support for Windows 10 IoT and Linux operating systems.

"The mBOX100 truly empowers fast and precise smart computer-aided diagnosis (CADx) by superior AI computing performance, dual 4K display connection, and trust build-quality that can apply smart healthcare applications properly," said Jenny Yu, the product manager of the intelligent medical solution team at Axiomtek.