



**Professional
Medical Device**

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Brief

As we celebrate our 25th year in business, Axiomtek is looking back on the amazing progress of technology in many different forms and seeing how it has affected all major facets of our lives. In the medical world, improved computer technology has helped with treatments and patient care, leading to an increase in overall health.

In the late 1980s and early 1990s, thanks to the integration of computers into medicine, radiation therapy for cancer patients was improved by creating 3D treatment plans, allowing doctors to scan and create computer models of patient tumors in order to fully visualize and target tumors with better accuracy from multiple angles. This new method also led to minimizing damage to surrounding healthy tissue, ensuring better patient health. While 3D modeling is still being used for cancer treatment, newer technology has gone a step further from treatment to focusing on prevention by looking at genetic sequences. According to the Journal of the American Medical Association, thanks to advancements in treatment and preventative medical technology, risk of death at five years fell by 43 percent for colon or rectum cancers, 52 percent for breast cancer, 39 percent for liver cancer, 68 percent for prostate cancer, 25 percent for lung cancer and 27 percent for pancreas cancer.

Advancements in Medical Technology

Using genomic studies, advanced computers can look at a person's DNA in order to sequence, assemble and analyze billions of pieces genetic data to screen for diseases including cancer and other various illnesses. DNA screening instruments can determine what diseases a person has by looking at their DNA, which can then allow medical professionals to determine a correct course of treatment or preventative care. Many of our customers in the medical device equipment industry integrated Axiomtek's boards, medical panel PCs, panel PCs and other products into their equipment to perform advanced medical screening and provide treatments to patient.



Axiomtek's motherboards, embedded controllers, panel PCs and medical-grade panel PCs offer many key features including UL60601-1/EN60601-1, CE and FCC class B medical certifications, wide operating temperature ranges, IP64 and up front panels, and high graphics capabilities.

Axiomtek's touch panel PC products, including the GOT and MPC product lines have many useful key features for the medical field including multiple medical certifications, wireless connectivity, 250 – 1000 nits high brightness LCD screens, high graphics performance, and more. When considering ongoing patient treatment, Axiomtek's medical panel PC products are an ideal choice for point-of-patient care computer terminals, giving medical professionals easy access to patient records in order to make accurate diagnoses and review treatment options.

As technology grows, Axiomtek's will continue to offer products with user-friendly designs and powerful performance to serve in the medical field- giving health care professionals the tools they need to accomplish their goals.

Axiomtek MPC Series



The MPC series is a slim medical grade panel computer solutions with 10.4", 15", 17" and 22" high brightness LCDs, which can utilize the low power Intel® i7/i5/i3 Core™ 2 Duo/Celeron® M/Pentium® M / Atom™ processor. With its unique IP65-rated front panel and IPX1-rated full enclosure seal, MPC series is well protected from outside damages, yet still offers excellent heat ventilation and fanless operation. Additional features include a 5 mega pixel camera for remote patient diagnosis, Bluetooth for wireless connection between other medical devices, internal Wi-Fi (802.11 b/g), RFID reader for identification, PCI/PCIe slot for expansion flexibility and a supermulti DVD.

Using cutting edge IT technology, Axiomtek brings up-to-date point-of-care panel PC and bedside entertainment systems to the medical industry. We believe that both are essential to a modern healthcare management system. Our medical grade panel computer series is unparalleled in reliability and performance which results in positive user experiences. Axiomtek's medical grade panel computers and displays comply with UL60601-1/EN60601-1, CE, and FCC Class B certifications. The unique user interface is designed to fit into a wide array of medical environments. These platforms have many attractive features including high quality, reliability, low noise operation, waterproof, and various OS/software support tools, which makes it easy to integrate with a hospital's existing network.



About Axiomtek Co., Ltd.

[Axiomtek](#) Co. Ltd. is one of the world's leading designers/manufacturers of PC-based industrial computer products. From our roots as a turnkey systems integrator specializing in data acquisition and control systems, Axiomtek has mirrored the PC evolution in various industries by shifting our focus toward the design and manufacture of PC-based industrial automation solutions.

Axiomtek Co., Ltd. established in 1990, has more than 60 distributor partners globally. Axiomtek offers Industrial PCs (IPC), Single Board Computers and System on Modules (slot CPU card, small form factor embedded boards & SoM), Fanless & Rugged Embedded System (eBOX, tBOX and rBOX), Industrial Firewall Platform, Industrial IoT Gateway Solution, Touch Panel Computers (TPC), Medical PCs (MPC), Human Machine Interface (HMI), Digital Signage and Players (DS), Industrial Network and Network Appliances (NA).

As an associate member of the Intel® Internet of Things Solutions Alliance, [Axiomtek](#) continuously develops and delivers cutting edge solutions based on the latest Intel® platforms.