Intelligent Medical
Solutions

AXIOMTEK®

Where Technology Meets Healthcare

Axiomtek's Certified Solutions for Global Medical Needs

Axiomtek leverages years of expertise in medical computing solutions to meet the evolving demands of the global medical device market. Our solutions feature high-performance CPUs, extensive storage, rich I/O expandability, and a variety of form factors - from board-level to system integration. With multiple safety and medical certifications, Axiomtek is a trusted partner, providing long-term support and a comprehensive product portfolio for complex, mission-critical projects.

Comprehensive Service

Full Customization

ISO 13485/ISO 14971/ IEC 60601-1

High Quality

Axiomtek Medical Design-in Service

From Board-level to System-level Customization

Initial Planning
- Product selection
- Domain expertise sharing
- Comprehensive documentation support

Debug
- Power on/off testing
- Issue replication
- Analysis and verification
- Solutions and recommendations

Ready to Ship
- Manufacturing
- Material maintenance
- Schedule control
- Longevity support
- Quality assurance

01

03

05

02

04

Design Development
- Schematic and layout reviews
- Thermal design and optimization
- BIOS and EOS customization

Validation & Verification
- Functionality
- Reliability and safety
- Thermal profile testing
- Electrostatic signal compatibility
- Certification testing:
  ISO 13485:2016/ ISO 14971:2019/ ISO 9001/IEC 60601-1

Smart Solutions, Seamless Support for Your Healthcare Needs

From product customization and advanced features developed by our expert R&D team to manufacturing, deployment, and ongoing support — we've got it all covered. Let us manage the tech and logistics, while you stay focused on driving innovation in your field!

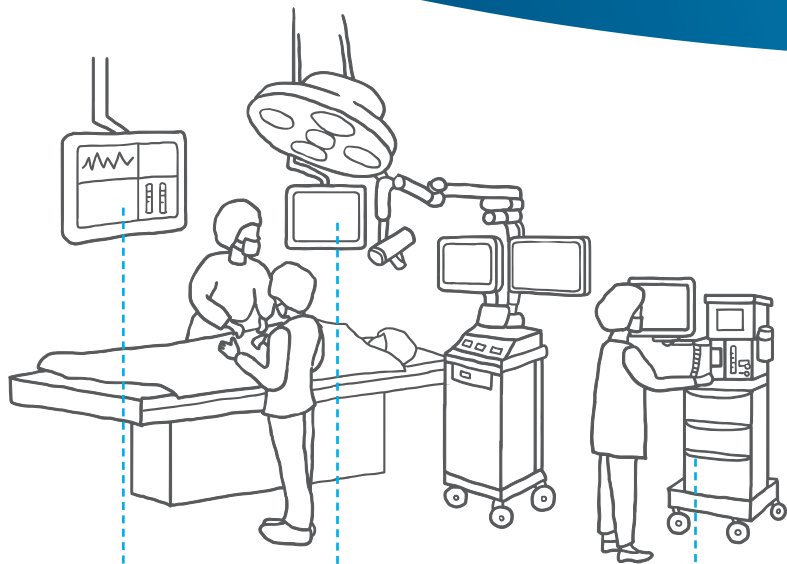**mBOX Series** | Medical Embedded Systems

MPC Series | Medical All-in-One Panel PC
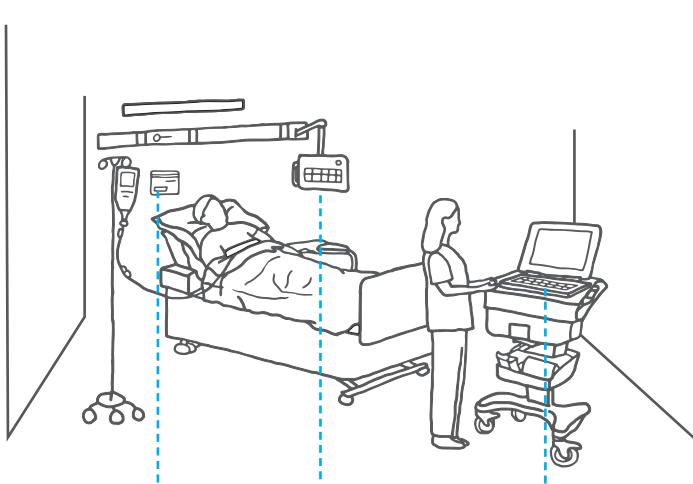
mHPC Series | Medical Rackmount Servers

Surgical Imaging

Surgical Video Recording

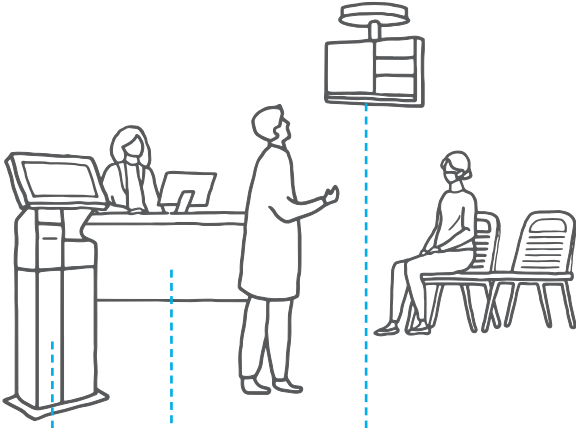Vital Signs Monitoring

Radiology Imaging

IVD Testing

Telemedicine

Bedside Information Terminal

Mobile Nursing Cart

Real-time Data Acquisition Terminal

Admission & Registration Desk

Self-Service Healthcare Kiosk

Queue Management

AI-Powered Medical Computing Solutions

mHPC202 | *High-Performance 2U Rackmount Medical Server*

- Dual 5th/4th gen Intel® Xeon® Scalable processors, up to 270W
- 16 DDR5-4800 ECC RDIMM, up to 1024GB
- 1 DisplayPort 1.1a with full HD support
- 2 10G Base-T and 1 IPMI GbE LAN
- Supports 4 PCIe x16 slots

OpenBMC | 1600W Redundant Power | NVM Express | U.3 & M.2 | USB 3.2 | Redundant BMC & BIOS

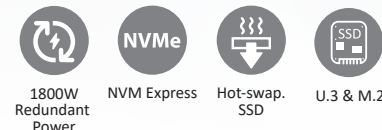## mHPC501 (new)

AI-Driven Healthcare Tower Server

- 4th gen Intel® Xeon® Scalable processors, up to 350W
- 8 DDR5-4800 ECC RDIMM, up to 512GB
- Supports two 3.5" HDDs, compatible with hot-swappable 2.5" SSD slots
- Two 10GbE and 1 IPMI GbE LAN ports
- Supports 4 dual-width PCIe x16 slots

OpenBMC | M.2 | IPMI 2.0 | Redundant BMC & BIOS | TPM 2.0

ATX Server Board
IMB711

mHPC210 (new)
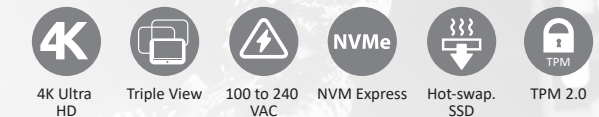
High-Performance 2U Rackmount Medical Server

- Dual 4th gen AMD EPYC™ 9004 series processors, up to 320W
- 24 DDR5-4800 ECC RDIMM, up to 1.5TB
- 2 GbE LAN, 1 OCP NIC 3.0, and 1 IPMI GbE LAN
- Supports 4 PCIe x16 and 1 PCIe x8 slots
- 1 VGA

1800W Redundant Power | NVM Express | Hot-swap. SSD | U.3 & M.2

AI-Powered Medical Imaging Solutions

mBOX603 (new)

Cutting-Edge Medical Computing System

- 13th gen Intel® i9/i7/i5/i3 processor, up to 65W TDP
- 2 DDR4-3200 SO-DIMM, up to 64GB
- 2 HDMI 1.4b and 1 DisplayPort++ 1.2
- 2 COM and two 2.5GbE LAN ports
- Supports 2 PCIe x16 slots

4K Ultra HD | Triple View | 100 to 240 VAC | NVM Express | Hot-swap. SSD | TPM 2.0

mBOX600

Advanced AI-Driven Medical Edge Platform

- 9th/8th gen Intel® Core™ i7/i5 processor, 45W TDP
- 2 DDR4-2666 SO-DIMM, up to 64GB
- 1 HDMI 1.4 port and 2 DisplayPort 1.2
- 2 COM and 2 isolated GbE LAN ports
- Supports 1 half-size PCIe x16 slot
- Optional antimicrobial chassis for added protection

4K Ultra HD | Triple View | 24 VDC | M.2 | TPM 2.0

AI-Enhanced Medical-Grade Panel Computer Solution

(new)

MPC211 | *21.5" Full HD Medical All-in-One Panel PC*

- Intel® Core™ Ultra 7/5 processor (Series 1)
- Projected capacitive multi-touch screen
- High-speed DDR5-5600 SO-DIMM, up to 96GB
- Supports 1 PCIe Gen 4 slot for add-on modules
- Optional RFID reader, camera, and COM (RS-232) integration

Fanless | DDR5 | RFID | IP65 | M.2

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