IOT GATEWAY SOLUTIONS FOR
HEALTHCARE

LANTRONIX®

CONNECT SMART DO MORE™

MEDICAL DEVICE REQUIREMENTS

- Industry standard certification
- Enterprise level security
- Advanced scanning & roaming
- Long life support
- Optimal performance in noisy environments
- Low power requirements

BENEFITS OF WIRED CONNECTIVITY

- Faster speeds
- Increase security
- High reliability in hospital environments

EDS-MD®

IOT GATEWAY SOLUTIONS FOR HEALTHCARE

Connecting Your Medical Devices to the Technology Resources You Need

The Internet of Things (IoT) is having a major impact on the delivery and management of healthcare. Increased automation and robust connectivity options are streamlining healthcare operations and enabling clinicians to be more efficient when delivering treatments. As hospitals' rate of adoption of networked medical devices continues to increase, a secure and reliable pipeline through the Internet must be established to ensure consistent access to critical information and applications without compromising patient confidentiality.

Lantronix medical IoT solutions provide hospitals, laboratories and medical device manufacturers with the technology needed to improve patient care while containing costs. Whether choosing a wired or wireless solution, we provide the medical device gateway to meet your needs and exceed your expectations.

WIRED IOT SOLUTIONS AT WORK FOR YOU

Connected Healthcare Solution For Medical Devices

EDS-MD® WIRED IOT MEDICAL DEVICE GATEWAY

Specifically designed for the medical industry, the UL and IEC-60601 compliant EDS-MD® medical device gateway provides mission-critical device connectivity, allowing remote access and management of virtually any electronic or medical device.

EDS-MD offers 4, 8 or 16 individually isolated RS-232 serial ports with a Gigabit (10/100/1000Mpbs) network interface. Going above and beyond the IEC-60601 requirement, EDS-MD provides galvanic isolation on all ports to ensure the highest levels of safety. If a grounding problem occurs, the operation of the EDS-MD and other connected devices are not affected. Device management capabilities are supported by Lantronix Device Management SaaS offerings—MACH10 Global Device Manager and Lantronix Gateway Central—for centralized monitoring and control over operations.

Key Benefits Include:
- Industry certified IEC-60601
- Mission-critical data security
- Locally or remotely manage medical assets & data
- High-performance wired connectivity

LANTRONIX

PERFECT FOR MEDICAL SEGMENTS

IVD Devices

- Blood analyzers
- Defibrillators
- IV pumps

Physiological Monitors

- Weighing scales
- Blood glucose meters
- Ventilators

BENEFITS OF WI-FI CONNECTIVITY

- Greater mobility
- Improved flexibility & efficiency
- Improved bandwidth management
- Long life support

SGX™ 5150-MD

WIRELESS IOT SOLUTIONS AT WORK FOR YOU

Remote Patient Monitoring & Medical Device Connectivity

SGX™ 5150-MD WIRELESS IOT MEDICAL DEVICE GATEWAY

The Lantronix SGX™ 5150-MD IoT device gateway optimizes healthcare operations with our highly secure, turnkey design. From routine statistics to life-saving patient information, the SGX 5150-MD gives medical professionals insight into equipment performance and efficacy of treatments from virtually any location.

The SGX 5150-MD meets standard safety and performance requirements and is IEC-60601 certified. Device management capabilities are supported by the MACH10 software platform for centralized monitoring and control over operations.

Key Benefits Include:
- Industry certified IEC-60601
- Superior Out-of-Box configure and connect experience
- High performance 802.11ac Wi-Fi
- Mission-critical data security with InfiniShield™
- Quick deployment of custom applications
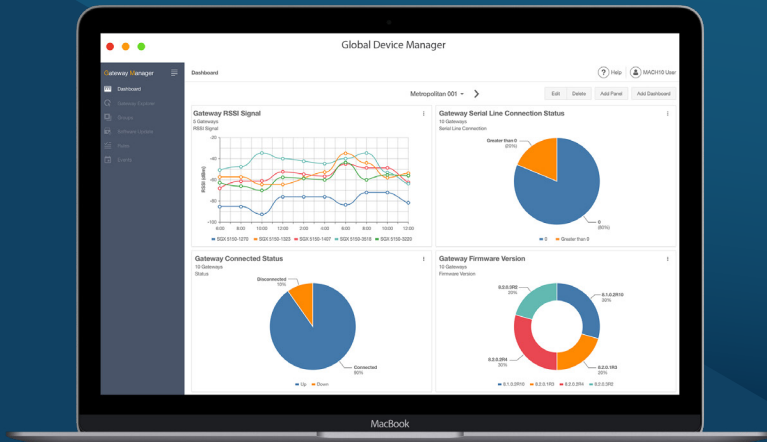- Multi-Interface access (serial, Ethernet, USB, Wi-Fi)
- Cloud-ready

MACH10〉

SIMPLIFYING IOT DEVICE MANAGEMENT

In combination with our wired or wireless medical IoT gateways, Lantronix MACH10 device management software provides you with highly secure connectivity from your edge device to the cloud. The MACH10 platform is a ready-to-use, cloud-based, device life cycle management software, so tasks such as provisioning, automated monitoring, and software updates can be done remotely using a simple browser.

The MACH10 platform was specially designed to manage IoT devices at scale from mid-size laboratories to large city hospitals. Feature rich capabilities includes:

- Automated Monitoring
- Remote Maintenance
- Visualization
- Operational Analysis
- Scalability

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