Manage and secure your medical devices and data with Lantronix fault-tolerant EDS-MD® IoT gateway for medical devices. This device gateway is IEC-60601 certified and can securely managed your devices locally on site or remotely by authorized employees.

**Manage Visibility into Medical Assets**
The medical industry utilizes many connected devices and assets. A majority of these devices are critical to the operation of the medical enterprise, for example, patient monitors. The EDS-MD can be integrated into the medical enterprise network and enable visibility into these devices from anywhere at anytime.

**Manage Mission-Critical Data Securely**
The transport of sensitive information to and from remote device servers over the Internet demands the highest level of security. With Lantronix’ proprietary Secure Com Port Redirector™ virtualization software, existing serial port applications can work with EDS-MD without any code modifications. Virtual COM ports can be mapped to EDS-MD and encrypted at both ends of communication.

**Manage Assets and Data Locally or Remotely**
Management of any device and data requires fault-tolerance. EDS-MD empowers authorized IT staff to access and monitor devices and data anywhere at anytime. In addition, the EDS-MD goes beyond the IEC-60601 requirement, as it provides galvanic isolation on all ports to ensure the highest levels of safety and fault-tolerance. Should a grounding issue ever occurs, the operation of EDS-MD or other connected devices will not be affected.

**High-Performance Wired Connectivity**
The EDS-MD offers 4, 8 or 16 individually isolated RS-232 serial ports with a Gigabit (10/100/1000Mbps) network interface. The configuration and setup of the EDS-MD is simple with industry-standard management tools including integrated Web and CLI interfaces along with XML support. For best overall operation, it can be managed by Lantronix MACH 10 Device Management Software.

**Perfect For:**

- Hospital
- Clinics
- EMS
- ER

**Feature Rich Turnkey Design**
- Configure and connect to the enterprise network, out-of-the-box with ease
- Make your device visible to authorized users with EDS-MD unique Device ID feature
- Develop and deploy custom applications with standards-based runtime services quickly and efficiently
- Benefit from Lantronix industrial design quality, reliability and connectivity
- For wireless healthcare IoT device gateway, refer to SGX5150 MD
Features and Specifications

**Standards**
- IEEE 802.3
- IEEE 802.3ab
- USB 2.0

**Hardware**
- 600MHz ARM 11 processor
- 8MB Flash
- 4 GB SD Card (internal only)
- 256 MB SDRAM
- Real Time Clock with Battery back up
- Onboard Thermal Sensor

**Physical Interface 4/8/16 RJ 45 DTE Serial Connectors**
- Serial Connectors
- RS-232 Interface
- Data rates - up to 921 Kbps
- EDS Protection - 15KV
- Circuit and port isolation - 1.5KVAC

**LED Indicators**
- Power/System
- Ethernet - Activity/Link
- Serial Ports (4, 8, 16)

**Protocols**
- DHCP Client, DHCP Server, DHCPv6 Client
- uPnP (Discovery), LCAP (77FE), Telnet, FTP, HTTP(S)
- IPv4, TCP, UDP, ICMP, ARP, Auto-IP, DNS, SNMP v2/v3, NTP

**Physical Dimensions**
- Size: 21 cm (8.25 in) x 19 cm (7.5 in) x 6 cm (2.4 in)
- 16 Port: 0.9 Kg (2.0 lbs)
- 8-port: 0.82 Kg (1.8 lbs)
- 4-port: 0.8 Kg (1.75 lbs)

**Software**
- Network Time Protocol (NTP) support
- AES 192 & 256 bit encryption support
- Supports copying port config settings
- Gateway Features - port forwarding, static routers and DHCP servers

**Security**
- SSL v3, SSH v2 Client & Server - up to 2048-bit certificates
- Encryption: AES, 3DES, RC4
- Authentication: SHA-1, MD5, Base-64

**Management**
- Web Browser (SSL option for secure login)
- CLI (over Serial Ports, Telnet or SSH)
- XML Configuration Records via CLI or FTP

**Environmental**
- Operating Temp: 0C to +55C (32F to 131F)
- Storage Temp: -30C to +80C
- Relative humidity, non-condensing
- IP Rating = 20

**Power**
- Input: IEC309 C14 receptacle without a power switch
- 100-240 VAC, 50/60 HZ, 0.4A
- Power consumption: 23 Watts Max
- Nominal Power: 12 Watts

**Mounting**
- Wall mount
- Desktop

**Certifications**
- UL, CE, FCC, VCCI, RCMA and UL/CSA/IEC
- Please refer to EDS-MD User Guide for certification details.

**Warranty**
- 5-year limited warranty

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**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>EDSMG04P (New)</td>
<td>IoT Gateway for Medical Devices 4-PORT Serial, IEC 60601</td>
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<tr>
<td>EDSMG08P (New)</td>
<td>IoT Gateway for Medical Devices 8-PORT Serial, IEC 60601</td>
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<td>EDSMG16P (New)</td>
<td>IoT Gateway for Medical Devices 16-PORT Serial, IEC 60601</td>
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<tr>
<td>EDGR04P-01 *</td>
<td>4-PORT Device Server, RoHS, IEC 60601</td>
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<td>EDGR08P-01 *</td>
<td>8-PORT Device Server, RoHS, IEC 60601</td>
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<tr>
<td>EDGR16P-01 *</td>
<td>16-PORT Device Server, RoHS, IEC 60601</td>
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</table>

* The Device Server can be upgraded to Device Gateway with the latest firmware.

**Accessories**

<table>
<thead>
<tr>
<th>Part #</th>
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<tbody>
<tr>
<td>200.2066A</td>
<td>RJ45 TO DB25M CABLE ADAPTER (DTE DEVICE)</td>
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<td>200.2067A</td>
<td>RJ45 TO DB25F CABLE ADAPTER (DTE DEVICE)</td>
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<td>200.2069A</td>
<td>RJ45 TO DB9M CABLE ADAPTER (DTE DEVICE)</td>
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<td>200.2070A</td>
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<td>RJ45 TO DB25F CABLE ADAPTER (DCE DEVICE)</td>
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<td>500-153</td>
<td>CABLE, RJ45 LOOPBACK ADAPTER</td>
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<tr>
<td>ADP010104-01</td>
<td>CABLE, ROLLED SERIAL CONNECTOR 0.1M (0.33 FT)</td>
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<tr>
<td>ADP010106-01</td>
<td>CABLE, ROLLED SERIAL CONNECTOR 0.1M (0.33 FT), 6 IN.</td>
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</tbody>
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