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 (10/100/1000Mpbs) 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

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

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- USB 2.0

Hardware
- 600MHz ARM 11 processor
- 8MB Flash
- 4 GB SD Card (internal only)

Physical Interface 4/8/16 RJ 45 DTE Serial Connectors
- Serial Connectors
- RS-232 Interface
- Data rates - up to 921 Kbps

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)

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)

Software
- Network Time Protocol (NTP) support
- AES 192 & 256 bit encryption support
- Supports copying port config settings

Security
- SSL v3, SSHv2 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)

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

Power
- Input: IEC60320 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, RCM and UL/CSA/IEC
- 60601-1 4th Edition for Medical Electrical Equipment

Warranty
- 5-year limited warranty

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>EDMG04P (New)</td>
<td>IoT Gateway for Medical Devices 4-PORT Serial, IEC 60601</td>
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<tr>
<td>EDMG08P (New)</td>
<td>IoT Gateway for Medical Devices 8-PORT Serial, IEC 60601</td>
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<td>EDMG16P (New)</td>
<td>IoT Gateway for Medical Devices 16-PORT Serial, IEC 60601</td>
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<tr>
<td>EDSR04P-01 *</td>
<td>4-PORT Device Server, RoHs, IEC 60601</td>
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<td>EDSR08P-01 *</td>
<td>8-PORT Device Server, RoHs, IEC 60601</td>
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<tr>
<td>EDSR16P-01 *</td>
<td>16-PORT Device Server, RoHs, IEC 60601</td>
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* The Device Server can be upgraded to Device Gateway with the latest firmware.

Accessories

<table>
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<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>
<td>RJ45 TO DB9F CABLE ADAPTER (DCE DEVICE)</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 ADAPTER, 0.1M (0.33 FT)</td>
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<tr>
<td>ADP010106-01</td>
<td>CABLE, ROLLED SERIAL ADAPTER, 0.1M (0.33 FT), 6 IN. CONNECTOR</td>
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</table>

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