## EDS-MD<sup>®</sup>



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



## 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<sup>™</sup> 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.

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 <u>EDS-MD</u> can be integrated into the medical enterprise network and



## 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. Device management capabilities are supported by Lantronix Device Management SaaS offerings—monitor, manage and troubleshoot your IoT assets with ConsoleFlow™, our ready-to-use software platform.

#### Perfect For.



Hospital



## 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 <u>SGX5150 MD</u>



## EDS-MD

Standards	
• IEEE 802.3	• IEEE 802.3ab
• IEEE 802.3u	• USB 2.0
Hardware	
600MHz ARM 11 processor	256 MB SDRAM
<ul><li> 8MB Flash</li><li> 4 GB SD Card (internal only)</li></ul>	<ul> <li>Real Time Clock with Battery back-up</li> <li>Onboard Thermal Sensor</li> </ul>
Physical Interface 4/8/16 RJ 45 DTE	
<ul><li>Serial Connectos</li><li>RS-232 Interface</li></ul>	<ul> <li>EDS Protection - 15kV</li> <li>Circuit and port isolation - 1.5KVAC</li> </ul>
Data rates - up to 921 Kpbs	- Circuit and port isolation - 1.3KVAC
LED Indicators	
Power/System	• Serial Ports (4,8,16)
Ethernet - Activity/Link	
Protocols	
DHCP Client, DHCP Server,	• IPv4, TCP, UDP, ICMP, ARP, Auto-IP, DNS,
DHCPv6 Client	SNMP v2/v3, NTP
<ul> <li>uPnP (Discovery), LCAP (77FE), Telnet,</li> </ul>	
FTP, HTTP(S)	
Physical Dimensions	
• Size: 21 cm (8.25 in) x 19 cm (7.5 in) x	• 8-port = 0.82 Kg (1.8 lbs)
6 cm (2.4 in)	• 4-port = 0.8 Kg (1.75 lbs)
• 16 Port = 0.9 Kg (2.0 lbs)	
Software	Cotoway Factures part forwarding
<ul> <li>Network Time Protocol(NTP) support</li> <li>AES 192 &amp; 256 bit encryption support</li> </ul>	<ul> <li>Gateway Features - port forwarding, static routers and DHCP servers</li> </ul>
Supports copying port config settings	static routers and brior servers
Security	
<ul> <li>SSL v3, SSH v2 Client &amp; Server - up to</li> </ul>	Encryption: AES 3DES, RC4
2048-bit certificates	• Authentication: SHA-1, MD5, Base-64
Management	
• Web Browser (SSL option for secure login)	XML Configuration Records via CLI or
CLI (over Serial Ports, Telnet or SSH)	FTP
Environmental	
Operating Temp: 0C to +55C (32F to 131 F)	
Storage Temp: -30C to +80C	• IP Rating = 20
Power	
<ul> <li>Input: IEC60320 C14 receptacle without a neuror quiteb</li> </ul>	<ul> <li>Power consumption: 23 Watts Max</li> <li>Nominal Power: 12 Watts</li> </ul>
power switch 100-240 VAC, 50/60 HZ, 0.4A	• Norfinal Power. 12 Walls
Wall mount	• Desktop
Certifications	500.000
UL, CE, FCC, VCCI, RCM and UL/ CSA/	Please refer to EDS-MD User Guide for
IEC	certification details.
• 60601-1 4th Edition for Medical	
Electrical Equipment.	

#### Warranty \_

· 5-year limited warranty

## Ordering Information

Part Number	Description
EDSMG04P (New)	IoT Gateway for Medical Devices 4-PORT Serial, IEC 60601 (Regional power cord sold separately)
EDSMG08P (New)	IoT Gateway for Medical Devices 8-PORT Serial, IEC 60601 (Regional power cord sold separately)
EDSMG16P (New)	IoT Gateway for Medical Devices 16-PORT Serial, IEC 60601 (Regional power cord sold separately)
EDSOR04P-01 *	4-PORT Device Server, RoHS, IEC 60601
EDSOR08P-01 *	8-PORT Device Server, RoHS, IEC 60601
EDSOR16P-01 *	16-PORT Device Server , RoHS, IEC 60601

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

#### Accessories

Part #	Description
200.2066A	RJ45 TO DB25M CABLE ADAPTER (DTE DEVICE)
200.2067A	RJ45 TO DB25F CABLE ADAPTER (DTE DEVICE)
200.2069A	RJ45 TO DB9M CABLE ADAPTER (DTE DEVICE)
200.2070A	RJ45 TO DB9F CABLE ADAPTER (DTE DEVICE)
200.2071	RJ45 TO DB9M CABLE ADAPTER (DCE DEVICE)
200.2072	RJ45 TO DB9F CABLE ADAPTER (DCE DEVICE)
200.2073	RJ45 TO DB25M CABLE ADAPTER (DCE DEVICE)
200.2074	RJ45 TO DB25F CABLE ADAPTER (DCE DEVICE)
500-153	CABLE; RJ45 LOOPBACK ADAPTER
ADP010104-01	CABLE; ROLLED SERIAL ADAPTER, 0.1M (0.33 FT)
ADP010106-01	CABLE; ROLLED SERIAL ADAPTER, 0.1M (0.33 FT), 6 IN. CONNECTOR

#### **Contact Information**

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