EDS5000 Series

Device Server:
Serial to Ethernet

REMOTELY CONNECT AND MANAGE YOUR SERIAL DEVICES OVER ETHERNET

The EDS5000 Series is the next-generation, rack-mountable device server that supports 8, 16, and 32 serial ports to Ethernet (10/100/1000BASE-T or 100/1000 SFP) for easy remote access and management of virtually any serial-based equipment such as security equipment, medical devices, or POS terminals with data access speeds of up to 921.6 kbps baud rate.

Comprehensive Device Security Framework

EDS5000 device servers deliver an unprecedented level of intelligence and safety with SSL/TLS and SSH security protocols as well as AES encryption. The EDS Series provides enterprise-level security, allowing safe remote Ethernet access and management to your serial equipment from practically anywhere.

Lantronix core software carries 30 years of 'data-center grade' protection, so each networked device has the same level of security as corporate data center equipment and provides robust defenses in hostile Internet attacks.

Easy Configuration

Setup is a breeze with Windows-based Lantronix Provisioning Manager, which can be used locally or remotely with the Lantronix Percepxion™ device management platform. Additionally, the EDS5000 family can be managed via a web browser or command line interface.

Percepxion™ Centralized Device Management Platform

Monitor, manage, and control your devices from anywhere, anytime, with the ready-to-use software platform. The Percepxion platform provides software-defined automation across all your devices and the capture of device telemetry data for event management and analytics.

LANTRONIX PERCEPXION

Perfect For:

Energy Cities Medical

Industrial Retail/POS Robotics

Financial Security

EDS5000 Highlights

- Supports RS232, RS422 and RS485

- Redundant power inputs. Supports AC input, DC input or both

- Ethernet connection via 10/100/1000 copper RJ45 or 100/1000 SFP

- 1RU rack mount or desktop mount design

- Extended operating temperature of -10°C to +60°C

LANTRONIX

Features and Specifications

Hardware

- CPU: NuMicro MA35DA
- 4 Gbit (512 MB) Flash
- On-board memory: 256MB Flash
- Ethernet 10/100/1000Mbps copper or 100/1000Mbps SFP

Serial Interface

- Supports standard data rates from 2400 to 921.6K Baud
- Data bits 5,6,7,8
- Parity: Odd, Even, None
- Stop Bits: 1 or 2
- Modem Control Signals: CTS, RTS, DTR, DCD
- Flow Control: XON/XOFF (software), CTS/RTS (hardware), None
- Serial Signals:
  RS-232: TxD, RxD, RTS, CTS, DTR, DSR
  RS-422: Tx+, Tx-, Rx+, Rx-, GND
  RS-485-4W: Tx+, Tx=, Rx+, Rx-, GND
  RS-485-2W: Data+, Data-, GND

Network Interface

- 10/100/1000Mbps copper or 100/1000 Mbps SFP Ethernet (combo port)
- 8, 16, or 32 ports RJ45 software selectable serial ports
- Protocols: HTTP, HTTPS, FTP, TFTP, Telnet SSH, TCP, UDP, DHCP, SSHv2 , SSLv3, SNMP v2/v3, Auto IP, RSS, ARP, ICMP, SYSLOG, SMTP, DNS, BOOTP

Security/Encryption

- SSL 3, TLS 1.2, TLS 1.3
- MD5,SHA-1,SHA-2
- RSA-1024,2048,4096, DSA and ECDHE
- Password protection
- IP address filtering
- SNMP v2/v3
- HTTPS
- AES128, AES256
- Data traffic encryption
- Based on open SSL

Management

- IPv4 and IPv6
- Internal web server, SNMP v1, SNMP v2, SNMP v3, Serial Login
- Telnet SSH login, XML
- Percepxion™ secure cloud and on-premise platform for remote device management
- Device status, device firmware and configuration updates, device reboot/reset/shutdown, device telemetry and dashboard, remote access, CLI commands, Configuration Management, Mobile App
- Upgradeable FW via the Web Manager, Lantronix Provisioning Manager or Percepxion

Environmental

- Operating: -10° to 60° C (14° to 140° F)
- Storage: -40° to 80° C (-40° to 176° F)
- Relative Humidity: 95%, non-condensing
- Ingress Protection: IP30

Power

- 100-240VAC, 50/60 Hz IEC-type cord
- 24-48VDC, 1.0.A min
- 20 Watts

Regulatory Approvals

- FCC, IC, CE/UKCA,, UL/CB 62368

Dimensions

- Size: 44.3cm W x 17.5cm D x 4.36cm H (1 RU)
- Weight: 4.54 kg (10 lb)

Warranty

- Hardware: 5 year
- Software: 1 year
- LEVEL Services available

Ordering Information

Part Number	Description
EDS5008	Ethernet to serial device server, (1) combo 10/100/1000 Mbps copper or 100/1000 Mbps SFP Ethernet port, 8 total serial device management ports consisting of (4) RS-232/422/485 software selectable and (4) RS232 only RJ-45 serial ports, (1) RJ-45 console port, 100-240 VAC, 60/60Hz input
EDS5016	Ethernet to serial device server, (1) combo 10/100/1000 Mbps copper or 100/1000 Mbps SFP Ethernet port, 16 total serial device management ports consisting of (4) RS-232/422/485 software selectable and (12) RS232 only RJ-45 serial ports, (1) RJ-45 console port, 100-240 VAC, 60/60Hz input
EDS5032	Ethernet to serial device server, (1) combo 10/100/1000 Mbps copper or 100/1000 Mbps SFP Ethernet port, 32 total serial device management ports consisting of (4) RS-232/422/485 software selectable and (28) RS232 only RJ-45 serial ports, (1) RJ-45 console port, 100-240 VAC, 60/60Hz input

Accessories (sold separately)

Accessories Number	Description
25131	DC Power Supply
SFP Modules	Check out our full portfolio of SFPs on Lantronix.com

Learn more at lantronix.com/eds5000-series

RoHS
WEEE COMPLIANT

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