



# EDS1100 & EDS2100

Hybrid Ethernet Terminal &  
MultiPort Device Servers



## REMOTELY MONITOR, MANAGE AND CONTROL YOUR EQUIPMENT

The EDS1100 and EDS2100 device servers are unique, hybrid Ethernet terminal/multiport device servers which allow remote access to and management of virtually any IT/networking equipment or edge device such as medical equipment, POS terminals or security equipment.



### Safe, Remote Management and Data Access

The EDS1100/EDS2100 device servers provide bullet-proof security by offering a variety of robust data encryption and authentication options. Featuring Lantronix's powerful Evolution OS™ technology, the EDS provides enterprise-level security allowing safe remote access and management from practically anywhere.



### Quick and Easy Setup

With no special software required, setup is a breeze with the included Windows-based DeviceInstaller™ application. EDS1100/EDS2100 device servers can also be set up locally via a serial port, or remotely over a network using Telnet, SSH, or a web browser (HTTP and HTTPS) or SNMP. The EDS1100/EDS2100 device servers also include the Lantronix Com Port Redirector™ virtualization software which allows existing serial port applications to work with the EDS1100/EDS2100 device servers with no code modifications.



### Easy Customization and Deployment

IPv6 ready, Lantronix EDS1100/EDS2100 device servers also allow you to easily create and deploy Linux-based applications.

### EDS1100 & ED2100 Highlights

- Quickly connect any device with a serial port to the network using robust SSH or SSL enterprise-level security
- Run Linux or Lantronix Evolution OS for the ultimate in application development flexibility
- Simple device set-up, configuration and monitoring with powerful, industry-standard management tools (Web, CLI, XML, SNMP)
- High performance 32-bit processor
- On-board memory (8MB SDRAM/8MB Flash)

## Features and Specifications

### Hardware

- High performance 32-bit processor
- On-board memory: 8MB SDRAM/8MB Flash

### Serial Interface

- Modes: Software selectable RS232, RS422 or RS485 (2- and 4-wire configurations supported)
- Software selectable RS485/422 termination and biasing
- Standard and customizable serial data rates from 300 to 921kbps
- Characters: 7 or 8 data bits
- Parity: Odd, Even, None
- Stop Bits: 1 or 2
- Modem Control: CTS, RTS, DTR/DCD
- Flow Control: XON/XOFF (SW), CTS/RTS (HW)

### Serial Connectors

- EDS1100 (Single-port): 1 x DM25F (DCE)
- EDS2100 (Dual-port): 2 x DB9M (DTE)

### Network Interface

- 10BaseT and 100Base-TX Link
- Protocols: HTTP, HTTPS, FTP, TFTP, Telnet, TCP/IP, UDP/IP, LPD, DHCP, SSHv2, SSLv3, SNMP v2, Auto IP, RSS, ARP, ICMP, SYSLOG, AES, SMTP, DNS, BOOTP, PPP, RFC2217

### Security

- SSL v3, SSH v2 Client & Server, Selectable 128/256/512/1024 Bit certificates
- Encryption: AES, 3DES, RC4
- Authentication: SHA-1, MD5, Base-64 User Access Lists

### Software

- Windows 98/NT/2000/XP/Vista-Based DeviceInstaller™
- ComPort Redirector™
- Secure ComPort Redirector

### Management

- Internal Web Manager (SSL Option for secure login)
- CLI (over Serial Ports, Telnet or SSH)
- XML Configuration Records via CLI or FTP
- DeviceInstaller software
- Firmware: Upgradeable via FTP, TFTP, Web, and Serial Port
- Flash wear leveling and erase cycle statistics

### Internal Web Server

- Customizable with CGI
- Web content on local file system and updatable through ftp

### Environmental

- Extended Temp: -40° to 85° C (-40° to 185° F)
- Storage: -40° to 85° C (-40° to 185° F)
- Relative Humidity: 5 to 95%, non-condensing
- IP Rating: 30

### Power

- Input supply: 9-30 VDC
- Power Consumption: 1.8 Watts

### Regulatory Approvals

- FCC Part 15, Subpart B, Class A
- EN55022, Class A
- EN55022 and EN55024
- EN61000-4-2, EN6100-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11
- ICES-003 Issue 4
- AS/NZS CISPR22, VCCI
- CSA C22.2 No. 60950-1-3
- UL 60950-1, EN60950-1 (Eu)
- CE, C-Tick

### Dimensions

#### EDS1100

- Size: 9.0 cm (3.5 in) L x 6.4 cm (2.5 in) W x 2.3 cm (0.9 in) H
- Weight: 0.20 kg (0.45 lb)

#### EDS2100

- Size: 9.5 cm (3.7 in) L x 7.2 cm (2.8 in) W x 2.3 cm (0.9 in) H
- Weight: 0.4 kg (0.9 lb)

### Warranty

- 2 year limited

## Ordering Information

Part Number	Description
ED1100002-01	EDS1100 One-port, secure device server, 100-240 VAC International power supply with regional, RoHS, w/ Evolution OS
ED1100002-LNX-01	EDS1100 One-port, secure device server, 100-240 VAC International power supply with regional, RoHS, w/Linux OS
ED2100002-01	EDS2100 Two-port, secure device server, 100-240 VAC International power supply with regional, RoHS, w/Linux OS
ED2100002-LNX-01	EDS2100 Two-port, secure device server, 100-240 VAC International power supply with regional RoHS, w/ Linux

Accessories Number	Description
500-163-R	DB25M to DB9F serial cable
500-164-R	DB9F to DB9F Null modem cable
500-163-R	DB25M to RS485 and 9-30 VDC power input screw terminal adapter
ACDIN1001-01	Optional DIN-rail mount

## Contact Information

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