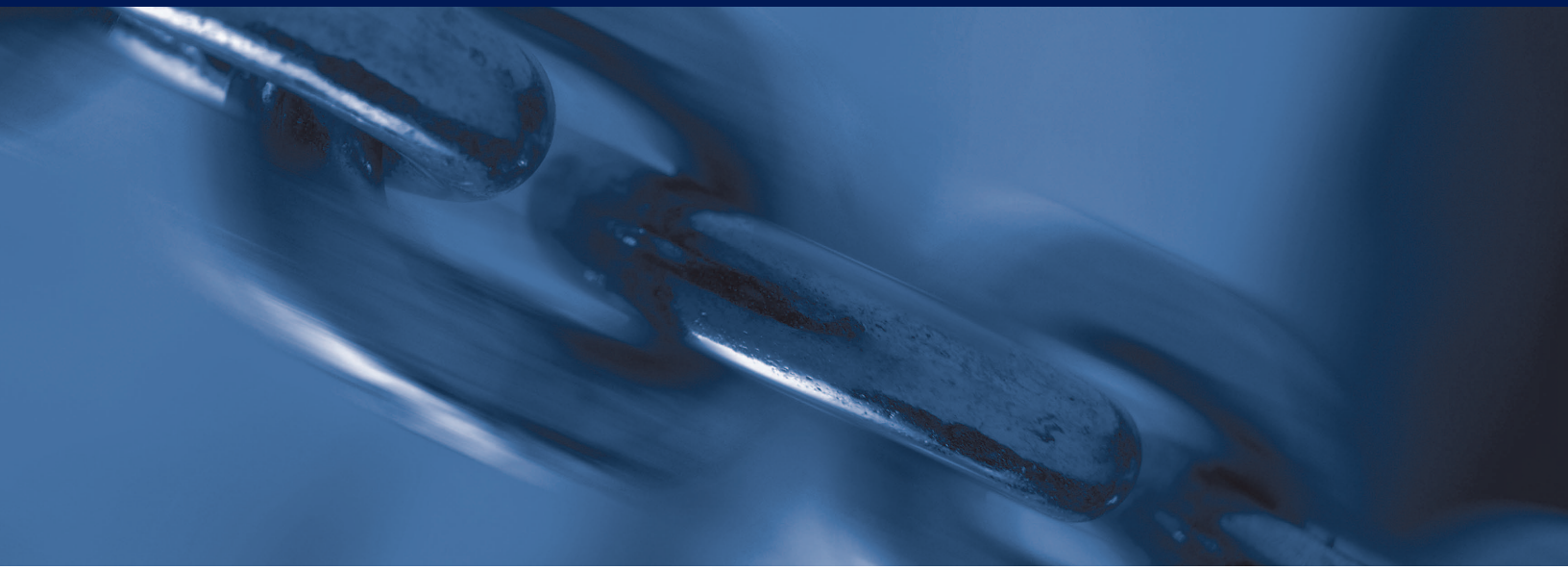
EDS**1100** & EDS**2100**

Hybrid Ethernet Terminal & MultiPort Device Servers



REMOTELY MONITOR, MANAGE AND CONTROL YOUR DEVICES

The EDS1100 and EDS2100 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.

The EDS provides bullet-proof security by offering a variety of robust data encryption and authentication options. Featuring Lantronix' powerful Evolution OS,™ with AES, SSH and SSL built in, the EDS provides enterprise-level security allowing safe remote access and management from practically anywhere. What's more, the option to run Linux, with IPv6 built in, enables you to deploy custom applications and take advantage of large feature-libraries available for Linux developers.

With no special software required, setup is a breeze with the included Windows-based DeviceInstaller.™ The EDS 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 EDS also includes Lantronix' patent pending VIP (virtual IP) Access™ technology, which allows for seamless integration with the AccessMyDevice™ remote services enablement platform.

Included, Lantronix' proprietary Com Port Redirector™ virtualization software, allows existing serial port applications to work with the EDS with no code modifications.



- **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)**
- **VIP Access technology seamlessly integrates with Lantronix' AccessMyDevice remote services enablement platform**

LANTRONIX®

CONNECT SMART. DO MORE.

EDS1100 & EDS2100

FEATURES

+ **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 Signals: CTS, RTS, DTR/DCD
  - Flow Control: XON/XOFF (software), CTS/RTS (hardware)
+ **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
+ **VIP Access™ Enabled**
  - Seamless integration with AccessMyDevice™ remote service enablement platform
+ **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 maximum
+ **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)
+ **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, EN61000-4-6, EN61000-4-11, 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
+ **2-year limited Warranty**

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

+ Accessories

500-163-R	DB25M to DB9F serial cable
500-164-R	DB9F to DB9F Null modem cable
500-171-R	DB25M to RS485 and 9-30 VDC power input screw terminal adapter
ACDIN1001-01	Optional DIN-rail mount

Lantronix Corporate Headquarters
167 Technology Drive
Irvine CA 92618
t: 800.422.7055
sales@lantronix.com

European Headquarters
t: +31 (0) 76 52 36 74 4
EMEA@lantronix.com

Asia/Pacific Headquarters
t: +852 3428 2338
asiapacific_sales@lantronix.com

Japan Headquarters
t: +81.3.6277.8802
japan_sales@lantronix.com

©2011, Lantronix, Inc. Lantronix is a registered trademark, and DeviceInstaller, Evolution OS, Com Port Redirector and AccessMyDevice are trademarks of Lantronix, Inc. All other trademarks are the property of their respective owners. Specifications subject to change without notice. All rights reserved.

940-013 Rev A 06/11