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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 & EDS2100 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 OS

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 Dinrail bracket for EDS1100
ACDIN2001-01	Optional Dinrail bracket for EDS2100

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