EDS4100

4-PORT ENTERPRISE DEVICE SERVER

ENTERPRISE-GRADE DEVICE SERVER FOR SECURELY INTEGRATING 'EDGE' EQUIPMENT INTO A NETWORK

The EDS4100 is a combination Ethernet terminal and multiport device server that delivers unprecedented levels of integration, intelligence, and security, and enables new ways to network-enable legacy equipment. Designed with enterprise-grade networking applications in mind, the EDS4100 provides a hassle-free and inexpensive way to add secure network connectivity to virtually any device with a serial interface.

Available in a four-port configuration, and equipped with flexible power options including Power Over Ethernet (PoE), the EDS4100 is ideal for applications where multiple pieces of equipment need to be connected, remotely accessed, and managed. Featuring Lantronix' powerful Evolution OS® and a mature protocol stack, each EDS4100 device server offers robust security options like SSL/SSH, AES, 3DES, and RC4 encryption to defend against hostile Internet attacks.

The EDS4100 supports a flexible "Cisco-like" CLI and is equipped with a built-in web server that simplifies configuration and control, making it easier to integrate 'edge' devices such as medical devices, kiosks, POS/retail terminals, or security equipment into the enterprise network.

EDS4100:

- Provides a safe and secure network connectivity solution for virtually any device with an RS-232/422/485 serial interface

- Simplifies deployment with a standards based, programmable computing platform which supports a Cisco-like CLI, XML, and RSS

- Defends against hostile attacks with a versatile collection of ready-to-use security algorithms and encryption modules

- Delivers flexible power configurations, eliminating the need for costly power converters

- Provides new business intelligence from network-enabled equipment

DeviceLinx™

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Features

Serial Interface
- Connectors: 4 x DB9M; 2 x RS232, 2 x RS232/422/485
- Baud rate: 300 bps to 921.6 Kbps
- Characters: 7 or 8 data bits
- Stop Bits: 1 or 2
- Parity: odd, even, none
- Flow Control: CTS/RTS, XON/XOFF

Ethernet Interface
- Interface: 10Base-T/100Base-T
- Speed: 10/100/Auto Mbps
- Connector: RJ45
- Protocols: ARP, UDP, TCP, ICMP, Telnet, SNMP, DHCP, BOOTP, TFTP, Auto IP, SMTP, FTP, DNS, Traceroute and HTTP

Security
- SSL v3, SSH v2
- MD5, SHA-1, Base-64
- AES 128-bit encryption
- 3DES encryption
- RC4 128-bit encryption
- Password protection, IP filtering

LED Indicators
- Power, Link, Activity, RX Activity, TX Activity

Processor
- CPU: Intel XScale IXP420 @ 266MHz
- Memory: 32 MB SDRAM, 8 MB Flash

Power Requirements
- Barrel Connector: 9-30 VDC
- Screw Terminal: 42-56 VDC
- PoE: 802.3af compliant

Environmental Limits
- Operating temperature: 0° to 55° C (32° to 131° F)
- Storage temperature: -40° to 70° C (-40° to 158° F)
- Operating Humidity: 10% to 90%
- Storage Humidity: 10% to 90%

Form Factor
- Housing: Metal enclosure with removable wall mounts
- Dimensions: 3.81 x 17.65* x 12.7 cm (1.5 x 6.95* x 5 in)
- Weight: 0.86 kg (1.9 lbs)
     * With wall mounts = 20.14 cm (7.93 in)

Agency Approvals
- FCC, CUL, UL, VCCI, CE, CSA, TUV, C-Tick, GS, CB Scheme

Warranty
- 2-year limited warranty

Features (Continued)

Shipping Dimensions
- Dimensions: 242 x 191 x 115 mm (9.5 x 7.5 x 4.5 in)
- Weight: 1.44kg (3.19lbs)

Software
- Windows 98/ME/NT/2000/XP/Vista (32-bit versions) software and related utilities
- Management Options: Web browser, Telnet client, Serial Terminal, SNMP v2 (MIBII, RS232MIB), XML

Regulatory
- FCC Part 15 Subpart B Class A
- ICES-003 Issue 4 February 2004 Class A
- AS/NZS CISPR 22: 2004 Class A
- EN55022: 1998 + A1: 2000 + A2: 2003 Class A
- VCCI V-3/2006.4 Class A
- EN61000-3-2: 2000 Class A
- EN61000-3-3: 1995 + A1: 2001
- EN55024: 1998 +A1: 2001 +A2: 2003
- IEC_61000-4-2: 1995 8KV Air, 4KV Contact
- IEC_61000-4-3: 1995 3.0V/m, 1KHz AM Sine Wave at 80%
- IEC_61000-4-4: 1995 1.0KV Power Lines, 0.5KV I/O Lines
- IEC_61000-4-5: 1995 1.0KV Common, 1.0 KV Differential
- IEC_61000-4-6: 1996 3.0 Vrms, 80% AM Modulated (1KHz)
- IEC_61000-4-8: 1993 50Hz 1.0 Arms/m
- IEC_61000-4-11: 1994 (>95%,0.5), (30%,25), (>95%,250)

Isolation
- Power Input: 2KV common mode and 1KV differential mode power surge protection
- Serial Port(s): 15KV ESD protection
- Ethernet Port: 1500 VAC isolation shielded

Ordering Information

Part Number	Description
ED41000P0-01	EDS4100 four-port device server - No power supply - CD Includes: User Guide and Software utilities (DeviceInstaller™ and Com Port Redirector™) - Quick Start Guide
ED41000P2-01	EDS4100 four-port device server - 100-240 VAC International power supply with regional adapters - CD Includes: User Guide and Software utilities (DeviceInstaller™ and Com Port Redirector™) - Quick Start Guide

Learn more at lantronix.com/eds4100

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