

# 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 multi-port 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.

DeviceLin<sup>x</sup>™



- + 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

LANTRONIX<sup>®</sup>

Think it. Connect it. Control it.

## 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: 0.86kg (1.9lbs)
- \* 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

### + 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) DeviceInstaller configuration software, Com Port Redirector 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): 15 KV ESD protection
- Ethernet Port: 1500 VAC isolation shielded

## ORDERING INFORMATION

### + Part Number

ED41000P0-01

### + Description

#### 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



# LANTRONIX®

CORPORATE HEADQUARTERS

15353 Barranca Parkway | Irvine | CA 92618 | USA | t: 800.422.7055 | f: 949.450.7232 | sales@lantronix.com | www.lantronix.com

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.