LANTRONIX®



MSSIOO Device Server

- DB25 serial port with full modem controls and speeds up to 230 Kbps
- TCP/IP, UDP, HTTP, FTP, TFTP, SNMP, ICMP
- EZWebCon® and COM Port Redirector™ software included for easy configuration and control
- 10/100Base-T Ethernet

Remotely Monitor, Manage and Control Equipment Over Ethernet

The MSS100 is a fast, easy way to connect virtually any device with a serial port to a network, so it can be managed remotely. The MSS100 enables you to operate and manage RS-232 serial devices over the LAN, WAN or Internet and replace dedicated PCs and lengthy serial cables with fast and reliable networking technology. This remote access capability increases efficiency, saving you time and money while providing easier management from any browser – anywhere, at any time.

Featuring a 32-bit processor, feature-rich operating system, high-speed serial interface and 10/100 Ethernet port, the MSS100 provides the performance needed for demanding and multi-tasking operations such as:

- Retail Point-of-Sale
- Medical Instrumentation
- Building Automation
- Security Systems
- Manufacturing/Industrial Automation

COM-based Application Control Over Ethernet

The included COM Port Redirector™ software enables Windows® applications designed to only communicate

though local COM ports to now communicate over to network-enabled devices over Ethernet. The software creates virtual COM ports which are mapped to remotely networked MSS100 units connected to your equipment. This enables you to extend the reach of your devices' software applications across the globe.

Total COM Port Control

MSS100 includes additional added functionality of complete COM port control when using COM Port Redirector. All hardware pins on the MSS100 can be set and read by the application that opens a "Redirector" COM port. This enables applications that require total COM port functionality to be extended across the network.

Easy to Set Up and Use

The MSS100 can be set up locally through its serial port, or remotely using Telnet or a web browser. The included EZWebCon® Windows-based configuration software simplifies setup and enables users to easily configure and monitor the MSS100 activity through on-screen menus instead of entering commands at the local prompt.

RoHS-compliant, the MSS100 meets Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment.









Features

Serial Interface

Interface: RS-232

Connector: 1 DB25 Male DTE

Data Rates: 300 bps to 230 Kbps

Characters: 7 or 8 bit Stop Bits: 1 or 2

Parity: odd, even, mark, space, none

Flow Control

XON/XOFF (software) RTS/ETS (hardware)

Network

Standards: TCP/IP, IPX, LAT Interface: 1 10/100 Ethernet port

Connector: RJ45

Protocols Supported

TCP/IP, UDP, HTTP, FTP, TFTP, SNMP, ICMP

Modem Controls

RTS, CTS, DSR, DTR

Device Support

Supports any RS-232 asynchronous serial port device requiring Ethernet access

Management

HTTP, SNMP, EZWebCon®, Telnet, LAT logins and DHCP

Software

Flash ROM Standard: downloadable from a TCP/IP host (TFTP download), DECNET host (MOP download), NetWare file server, or EZWebCon®

Diagnostic LEDs

Link

OK

Power

100Base-T

Network Activity

Compatibility

Ethernet: Version 2/IEEE 802.3/IEEE 802.3u

Agency Approvals

FCC (A), C/UL, TUV, CE (B)

Power Requirements

5 VDC @ 0.8A (external AC adapter included)

Environmental

Operating temperature: 5° to 50°C (41° to 122°F) **Storage temperature: -40° to 66°C** (-40° to 151°F)

Physical

Dimensions: 9.0 x 6.4 x 2.3cm (3.5 x 2.5 x 0.9 in)

Weight: .35 kg (.8 lbs)

Shipping Dimensions

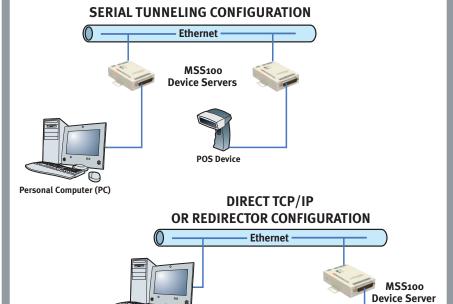
Dimensions: 24.2 x 19.1 x 11.5 cm (9.5 x 7.5 x 4.5 in)

Weight: 1.5 kg (3.0 lbs)

Warranty

1-year limited warranty

MSS100 Example Configurations



Example Applications

Blood analyzers
LAN security devices
PBX accounting systems
Card readers in debit systems
Remote power management

controllers Telecommunications equipment CNC machines in machine shops Electronic signboards

Temperature monitoring devices Chemical & gas chromatography Displays in call centers

Security alarms
Time & attendance clocks and

terminals Badge access control Customer traffic measurement UPS management devices

High-end fax machines Electronic key systems Radiation equipment

Personal Computer (PC)

Marine equipment aboard ships Video cameras for ATM surveillance

Vending machines Data loggers Static control boards Postal equipment Instrumentation

Oil rig monitors
Satellite receivers

Station adapters
ATM machines on cruise ships

Warehouse inventory tracking devices

Unix workstations' console port Refrigeration and heating controls

Barcode scanners Heart monitors Electronic maps

POS Device

Power meter measurement devices

Oil and gas automation Battery monitors Robotic controls Chemical monitors in pools

Modems (character-mode) Weather stations

Rocket launch pad telemetry equipment

Ordering Information

Part Number Description

MSS100-21 10/100 Device Server, 1 DB25 (RS-423/RS-232) serial port, 1 10/100 RJ45 networking

port, diagnostic LEDs, Installation Guide, CD-ROM with EZWebCon software, Com Port Redirector software and reference manual, external 120 VAC wall cube power supply,

RoHS compliant

MSS100-22 Same as above with 100-240 VAC international power supply and adapters
MSS100-24 Same as above with 100-240 VAC universal IEC power supply with U.S. power cord



15353 Barranca Parkway | Irvine | CA 92618 | USA | Tel: 800.422.7055 | Fax: 949.450.7232 | www.lantronix.com

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