



## MSS100 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)

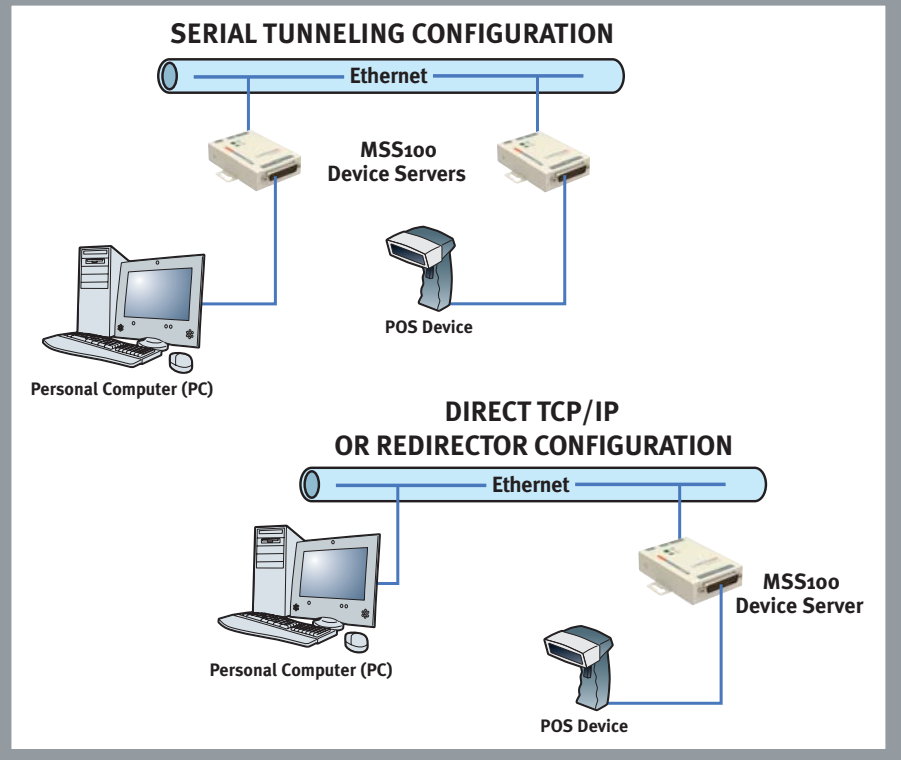
### Shipping Dimensions

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	Customer traffic measurement	Warehouse inventory tracking devices
LAN security devices	UPS management devices	Unix workstations' console port
PBX accounting systems	High-end fax machines	Refrigeration and heating controls
Card readers in debit systems	Electronic key systems	Barcode scanners
Remote power management controllers	Radiation equipment	Heart monitors
Telecommunications equipment	Marine equipment aboard ships	Electronic maps
CNC machines in machine shops	Video cameras for ATM surveillance	Power meter measurement devices
Electronic signboards	Vending machines	Oil and gas automation
Temperature monitoring devices	Data loggers	Battery monitors
Chemical & gas chromatography	Static control boards	Robotic controls
Displays in call centers	Postal equipment	Chemical monitors in pools
Security alarms	Instrumentation	Modems (character-mode)
Time & attendance clocks and terminals	Oil rig monitors	Weather stations
Badge access control	Satellite receivers	Rocket launch pad telemetry equipment
	Station adapters	
	ATM machines on cruise ships	

### 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

# LANTRONIX®



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