



## MSS100 Device Server

- ▶ DB25 serial port with full modem controls and speeds up to 230 Kbps
- ▶ TCP/IP, UDP, HTTP, FTP, TFTP, SNMP, ICMP
- ▶ CD-ROM with EZWebCon™ and Com Port Redirector software
- ▶ 10/100Base-T Ethernet

## Remotely Monitor, Manage, and Control Serial Devices over Ethernet

The MSS100 is an easy way to connect a serial device to a network, resulting in more efficient manageability of devices. The MSS100 allows you to remotely 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 network technology. This remote access enables you to save time and money, while also providing easier management from any browser— anywhere.

Powered by 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/Automation

### Easy to Configure and Manage

MSS100 is easily manageable through HTTP, SNMP, Telnet, or a supplied Windows GUI. It allows easy upgrade via Flash ROM and includes Lantronix Com Port Redirector software, enabling Windows applications to communicate to remote networked devices.

Besides being easy to configure and manage, the MSS100 is a highly programmable solution for serial-to-Ethernet connectivity. Its robust performance, modem replacement/emulation, and compact size make it a prime candidate for everyone. The MSS100 incorporates advanced serial data-handling capabilities and Lantronix's proven network-enabling technology, allowing virtually any asynchronous RS-232 serial device to communicate over the LAN, WAN, or Internet.





## Features

### Serial

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™ (Lantronix's management software), 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)

## Hardware

### Power Requirements

5 VDC @ 0.7A (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 (HxWxD)

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

#### Weight

.8 lbs (.35 kg)

#### Shipping Requirements (HxWxD)

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

#### Shipping Weight

3.0 lbs (1.5 kg)

### Warranty

1-year limited warranty

### Ordering Information

#### MSS100-11

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

#### MSS100-12

Same as above with 100-240 VAC international power supply and adapters

#### MSS100-14

Same as above with 100-240 VAC universal IEC power supply with U.S. power cord

### The following are just a few of the applications where Lantronix's Device Server technology is being used:

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  
 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  
 Bar code scanners  
 Heart monitors  
 Electronic maps  
 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

# LANTRONIX®

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