



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 a fast, easy way to connect a serial device to a network, so it can be managed remotely. The MSS100 allows 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

Easy to Configure and Manage

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

In addition to 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 countless applications. 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

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)

Power Requirements

5 VDC @ 0.7A (external AC adapter included)

Example Applications

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

Environmental

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

Physical

Dimensions: 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: 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

Part Number	Description
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

