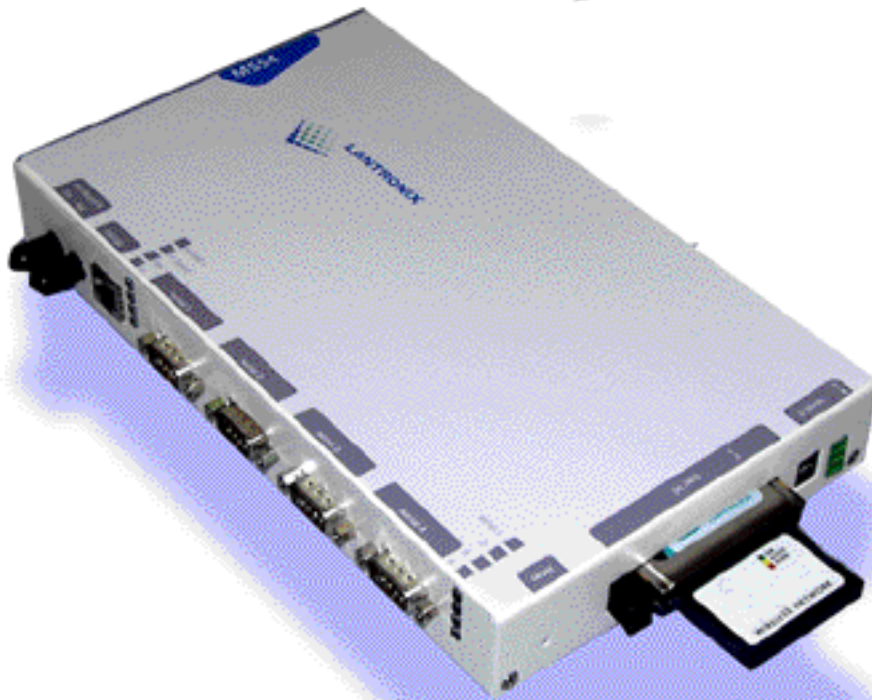


MSS4



Device Servers

The MSS4 Device Server™ expands the capabilities of our MSS product line to accommodate multiple devices simultaneously. The four serial ports come in 2 formats; standard DB9 the same as used on the back of a PC or Screw Terminal Block a standard used in the automation and manufacturing industries. The MSS4 supports RS232, RS422 or RS485 on each serial port allowing virtually any asynchronous serial device to be accessed over a network. The dual PC card interface supports wireless, ATA storage and modem PC cards enabling the MSS4 to communicate over wireless networks and store large amounts of data. Physical network connections can be accomplished using either the 10/100 RJ45 Ethernet or 100BASE-FX Fiber ST interface. Multiple models are available to accommodate a wide range of applications and markets. The MSS4

was designed to accommodate the unique requirements of the Retail POS, Security, Automation and Medical market places.

- 4 serial ports with full modem controls
- Serial speeds up to 230 Kbps
- Dual PC card interface
- Type I, Type II and Type III PC card support
- Wireless, ATA Storage and modem PC cards supported
- Management via standard Web Browser, Telnet, SNMP, serial port and EZWebCon, Lantronix's management software.
- Flash ROM for easy software updates
- Software Developers Kit (SDK)
- Comm Port Redirector software

Device Support

Supports any RS232/RS422/RS485 asynchronous serial device

Protocols Supported

TCP/IP ARP, UDP, ICMP, SNMP, DHCP, TFTP, HTTP

Network Interface

1 10/100 RJ45
1 100BaseFX (MSS4-DFP)

Serial Interface

RS232 / RS422 /RS485 software selectable
4 DB9M DTE serial ports (MSS4-D model)
4 Screw block serial ports (MSS4-S model)

Dual PC Card Interface

(MSS4-DFP MSS4-SEP models)
Type I/II/III PC Card support

Supported PC Card Types

802.11(b) Wireless, ATA Storage, Modems
See Lantronix web site for supported cards:
<http://www.lantronix.com/products/ds/mssvia/cards>

Data Rates

Serial speeds 300bps to 230 Kbps

Flow Control

Software XON/XOFF
Hardware CTS/RTS

Modem Controls

RTS, CTS, DSR, DTR, CD

Management

Internal HTTP
EZWebCon, Lantronix's management software
Telnet
Serial Port
DHCP
SNMP

System Software

Flash ROM standard:

downloadable from EZWebCon, a TCP/IP host (TFTP download)
DECNET host (MOP download)

Diagnostic LEDs

Link (10/100)
OK
PC Card 1 Activity
PC Card 2 Activity
Serial Activity

Compatibility

Ethernet version 2/IEEE 802.3/IEEE 802.3u

Power Requirements

9-30VDC @ 1.8A max.
(12VDC 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 (H x W x D)

1.3 x 9.3 x 5.5 in
3.3 x 23.6 x 13.9cm

Agency Approvals

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

Warranty

5-year limited warranty

Ordering Information

MSS4-D-01

10/100 Device Server, 4 DB9M RS-232/RS-485 serial port, 1 10/100 RJ45 networking port, diagnostic LEDs, external 100-240VAC wall cube power supply

MSS4-S-01

10/100 Device Server, 4 Screw Terminal Block RS-232/RS-485 serial ports, 1 10/100 RJ45 networking port

MSS4-DFP-01

10/100 Device Server, 4 DB9M RS-232/RS-485 serial port, 1 10/100 RJ45 and 100BASE-FX fiber network interfaces, Dual PC Card Interface, external 100-240VAC power supply

MSS4-SFP-01

10/100 Device Server, 4 Screw Terminal Block RS-232/RS-485 serial ports, 1 10/100 RJ45 and 100BASE-FX fiber network interfaces, Dual PC Card Interface

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
- Displays in call centers
- Security alarms
- Time attendance clocks and terminals
- Badge access contro
- 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
- CNC machines in machine shops
- Electronic signboards
- Temperature monitoring devices
- Chemical & gas chromatography instrumentation
- Oil rig monitors
- Satellite receivers
- Serial devices on wireless
- Station adapters
- ATM machines on cruise ships

Specifications

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