

MSS100 / MSS-VIA / MSS4 Device Servers



MSS100 / MSS-VIA / MSS4 Quick Start Guide





MSS100 / MSS-VIA / MSS4 Device Servers

MSS100 / MSS-VIA / MSS4 QUICK START CONTENTS

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SYSTEM OVERVIEW

Device Networking starts with a Device Server[™], which enables virtually any device with a serial port (RS-232, RS-422/485) to connect to Ethernet networks quickly and cost effectively.

The MSS family of Device Servers includes all of the elements needed for device networking - a processor, an operating system, a robust TCP/IP stack, a web server, and a network connection to provide an Ethernet bridge to serial devices.

The MSS connects to virtually any serial device, for example:

- Barcode scanners
- Scales

- Card readers and receipt printers
- S
- Automation equipment, PLC, and motor drives
- LED message displays
- Medical blood analyzers and ventilators
- Security and access control systems
- Medical blood analyzers and ventilator rol systems

Our approach to device networking is transparent to your software and attached devices - meaning that you won't need to a make any software or configuration changes. It's also scalable and does not require a server or gateway, giving you the flexibility to tackle a project of any size.

The MSS Device Servers are equipped with high-speed asynchronous serial ports supporting baud rates between 300 and 230.3k bits per second, and a 10/100 Ethernet port. In addition, the MSS-VIA has a PC card interface providing 802.11 wireless access to connected devices.

This Quick Start guide explains how to connect, configure, and troubleshoot your unit. For more detailed information and alternative configuration methods, refer to the User Guide and Reference Manual on the CD ROM supplied with this product.

WHAT'S IN THE BOX

In addition to the MSS, the box contains the following items:

Part #	Component	Description
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MSS100

	Documentation CD-ROM and Quick Start Guide
520-036	For the MSS100-11, power cube with cord
520-062	For the MSS100-12, power cube with international adapters
520-050	For the MSS100-14, desktop IEC power cube with US domestic cord

MSS-VIA

	Documentation CD-ROM and Quick Start Guide
520-061	Power cube with cord

MSS4

	Documentation CD-ROM and Quick Start Guide
520-061	For the MSS4-D-01, power cube with international adapters

W155100 / W155-VIA /

MSS100 FRONT



DB25 SERIAL CONNECTOR (DTE DB25 Male)



MSS100 REAR







DB9 RS-232 SERIAL CONNECTOR





IP ADDRESSING

Your unit must have a unique IP address on your network.

The systems administrator generally provides the IP address. The IP address must be within a valid range, unique to your network, and in the same subnet as your PC. You'll need the following information before you set up the unit. (See Assign IP.)

IP Address: ____ ___ Subnet Mask: ____ __

CONNECT

- 1) Mount or place the MSS in a secured room.
- 2) Connect serial devices to the serial ports.
- 3) Connect your network to the MSS (via one of its Ethernet ports or the PCMCIA slot, if applicable).
- 4) Connect the power supply to the MSS.
- 5) Wait about 30 seconds.
- 6) Confirm the following:a) OK LED blinks green
 - b) Link LED glows green
- If the MSS is connected to the network via the PC card slot or Ethernet, confirm the following:
 - a) PC Card LED glows green
 - b) 100 LED glows green if there is a 100Mb connection

ASSIGN IP

1) Open EZWebCon on the CD-ROM.

<u>File E</u> dit <u>V</u> iew	Action	<u>H</u> elp			
	Assi	yn IP Address			
Name	Mana	ige	ogin	Firmware	IP Address
LRS_1A0158 L	Reloa	ad Firmware	17:12	V1.3/6	172.19.21.50
MSS_30EBC0 N	Got C		12:53	B3.6/930	172.19.23.250
GCS_57065A S			13:56	V2.0/1	172.19.21.51
3CS_590176 S	Set C	Configuration	11:16	B2.0/301	172.19.21.215
	Telne	et			
	Rebo	ot Device			
			_		
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EZWebCon Home Page

Note: The EZWebCon wizard walks you through the process of assigning an IP. The Next button at the bottom of each EZWebCon screen advances you to the next step in the process.

- 2) Click Action → Assign IP Address.
- 3) Select the MAC address of your SCS device and click Next.
- 4) Select Assign Specific IP and click Next.
- 5) Type your IP Address.
- 6) Confirm the Subnet Mask Address.
- 7) For Gateway, select None.
- 8) Click Next.
- 9) Click the **Assign IP** button.
- 10) Click the **Done** button.

Note: Your device name and IP address should be listed in the EZWebCon window. If it is not, minimize and then restore the window.

CONFIGURE

- 1) In the EZWebCon window, click the device name you wish to configure.
- 2) Click Action → Manage.

Note: Your Web browser opens, displaying the Server Configuration window.

SERVER CONFIGURATION

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Select from the menu	2	1di	12				
above to modity	3	Ids					
server canhguration.	4	(d)					

CONFIGURE (CONT.)

- 4) Configure a group of settings:
 - a) Select a link from the left navigation column, for example, Ports.
 - b) Enter the password, system and press Login
 - c) Confirm that a window similar to this displays:

PORT PROPERTIES PAGE

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MSS4 TOMP Server Properties	2	Ide	(Serial Port)	Configure	Clone settings	
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	4	Ide	(Serial Port)	Configure	Clone settings	
Part Properties 802.11 Properties Tech Support Hume						
Select from the menu above to modify server contrauration						

d) Click the **Configure** link for the port you want to configure.

e) Confirm that the following screen displays:

SERIAL PORT SETTINGS PAGE

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		2
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nume	Port Name Put 1	
Select from the menu above to modify	CONNECTION:	
server cashguration.	Local Switch Nime Forward Switch Nime	
	Brook Control Read - Backword Santah None	
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	Terminal Type: None	

- f) Configure the port settings and click the Update Port Settings button at the bottom of the window when finished.
- 5) Repeat step 4 for the other groups of settings.
- 6) To close the active sessions and implement the changes, power cycle to reboot.

TROUBLESHOOT

LEDs on the top of the MSS indicate Ethernet and serial activity. The significance of these LEDs is explained in the following table:

LEDS	COLOR	MEANING
Serial	Green blinking	Serial transmissions
ОК	Amber/red blinking	Not booting
ОК	Green blinking	SCS functional
PC Card	Green	Card functioning
PC Card	Amber blinking	Card recognized
PC Card	Red blinking	Card not recognized
100	Green	100Base-T valid
Link	Green	10/100Base-T valid

CONTACT INFORMATION

For questions and technical support, please check our online knowledge base at www.lantronix.com/support

 If you need additional help call us at:

 (800) 422-7044
 Domestic

 (949) 453-7198
 International

 (949) 450-7226
 Fax

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