

LINKTROPY[®] MINI HARDWARE GUIDE



Linktropy® Mini Hardware Guide

Hardware Revision: R1
Documentation Version: 4
Printed June 2011

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Part No. DOC-HG-LM-R14

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1 | OVERVIEW

This *Linktropy Mini Hardware Guide* describes the physical hardware of the Linktropy Mini WAN Emulator. The companion *User's Guide* describes the installation, configuration, and operation of the Linktropy WAN emulation functionality. A separate *Quick Start Guide* provides a walk-through for first time configuration.



The Linktropy Mini contains no user serviceable parts. Opening the chassis voids the warranty. If you believe your unit is not functioning properly, see Section 5 for information on obtaining support.

This guide is for Linktropy Mini hardware revision –R1.

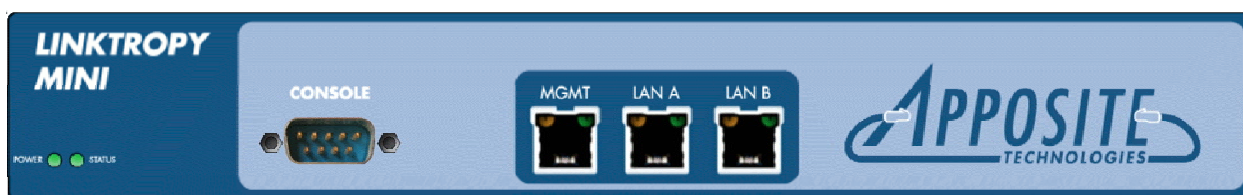
2 | INCLUDED ITEMS

The Linktropy Mini shipping carton contains the following items:

- ▶ Linktropy Mini hardware unit
- ▶ Linktropy documentation CD
- ▶ Linktropy Quick Start Guide
- ▶ AC power cord (U.S.)
- ▶ RS-232 DB-9 serial cable

3 | FRONT AND REAR PANELS

Front Panel



The front panel of the Linktropy Mini contains:

Power LED: Lit green when the unit is powered on. Unlit when power is off.

Status LED: Lit green when the unit is operating normally.

CONSOLE: Console interface using RS-232 with a DB-9 connector.

MGMT: 10/100baseT Ethernet interface with a standard RJ-45 plug for browser-based management of the unit over the network.

LAN A: 10/100baseT Ethernet interface with a standard RJ-45 plug. Connects to the network segment functioning as LAN A in network emulations.

LAN B: 10/100baseT Ethernet interface with a standard RJ-45 plug. Connects to the network segment functioning as LAN B in network emulations.

Note: When the Linktropy Mini is powered off, the LAN A and LAN B interfaces switch to mechanical bypass mode, making the device transparent to the network. The bypass functionality will not work if the opposite interfaces for the cables connected to the Linktropy Mini are both Gigabit Ethernet.

Rear Panel



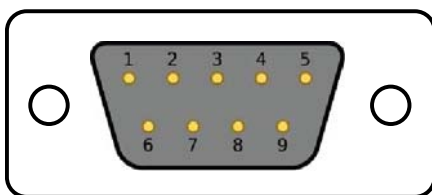
The rear panel of the Linktropy Mini contains:

Power input: Standard IEC C14 socket for power input. U.S. and Canadian customers should use the supplied power cord to connect the Linktropy Mini to a power outlet. International customers may need to substitute a local power cord with a standard IEC C13 plug. The Linktropy Mini handles AC power input from 100 to 240V.

Power switch: The power switch is marked with 0 for OFF and 1 for the ON position.

4 | CONSOLE INTERFACE

Console access to the Linktropy Mini is through the RS-232 interface on the front panel labeled “CONSOLE.” A DB-9 cable is included with the unit to connect the device to a standard PC serial port. The pin-out for the DB-9 connector is shown below:



Pin	Definition	Pin	Definition
1	DCD	6	DSR
2	RxD	7	RTS
3	TxD	8	CTS
4	DTR	9	RI
5	GND		

To connect to the console, use a terminal or a computer running terminal emulation software, and set the following parameters:

- 9600 baud
- 8 data bits
- No parity
- 1 stop bit
- Disable flow control

5 | APPOSITE SUPPORT

The Linktropy Mini comes with a 90 day warranty on the hardware and 90 days of support and maintenance. Extended warranty packages are available from Apposite or your local Linktropy reseller.

If you believe your unit is not functioning properly and is under warranty, please upgrade to the latest firmware release. If the problem persists, please contact Apposite Support at:

support@apposite-tech.com
1.310.477.9955 ext. 2

When contacting Apposite Support, please include the following information:

- ▶ Linktropy model
- ▶ Serial number
- ▶ Your e-mail address and phone number
- ▶ Installed firmware version
- ▶ A detailed description of the problem



Do not attempt to fix any hardware problem yourself. The Linktropy Mini contains no user serviceable parts. Opening the chassis voids the warranty.

APPENDIX A

Specifications

Capacity			
	Max. Emulation Rate	100 Mbps full duplex	
	Max. Packet Rate	80,000 packets per second	
Interfaces			
	Network	2 x 10/100baseT Ethernet	
	Management	1 x 10/100baseT Ethernet	
	Console	1 x RS-232c	
Environmental and Physical			
	AC Input Voltage	Auto ranging 100 VAC to 240 VAC	
	AC Input Frequency	50 to 60 Hz	
	AC Input Current	1.0 A Max. 0.2 A Typical	
	Power Draw	25 Watts Max. 10 Watts Typical	
	Dimensions	10.8" W x 7.1" D x 1.75" H (1 RU) 27.5 cm W x 18.0 cm D x 4.35 cm H (1 RU)	
Weight	Product	3.5 lbs (1.6 kg)	
	Shipping	5.1 lbs (2.3 kg)	
Temperature	Operating	32° to 104°F (0° to 40°C)	
	Storage	-4° to 176°F (-20° to 80°C)	
	Humidity	10% to 90% (non-condensing)	
	Certifications	FCC, CE Mark	
Warranty and Support			
	Hardware warranty	90 days	
	Support and Maintenance	90 days	

APPENDIX B

Regulatory

Federal Communications Commission Notice

This equipment has been tested and verified to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference, in which case the user will be required to take whatever measures may be required to correct the interference at their own expense.

Canadian Notice / Avis Canadien

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

CE Certification

The product described in this manual complies with all applicable European Union (CE) directives, including EU Directive 2002/95/EC Restriction of Hazardous Substances (RoHS).

APPENDIX C

Linktropy End User License Agreement

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