

# LINKTROPY MINI<sup>2</sup>

## HARDWARE GUIDE

## Linktropy® Mini<sup>2</sup> Hardware Guide

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# 1 OVERVIEW

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This *Linktropy Mini<sup>2</sup> Hardware Guide* describes the physical hardware of the Linktropy Mini<sup>2</sup> WAN Emulator. The companion *User's Guide* describes the installation, configuration, and operation of the Linktropy Mini<sup>2</sup> WAN emulation functionality. A separate *Quick Start Guide* provides a walk-through for first time configuration.



The Linktropy Mini<sup>2</sup> 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<sup>2</sup> hardware revision –P3.

# 2 INCLUDED ITEMS

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The Linktropy Mini<sup>2</sup> shipping carton contains the following items:

- ▶ Linktropy Mini<sup>2</sup> hardware unit
- ▶ Linktropy Mini<sup>2</sup> Quick Start Guide
- ▶ AC power adaptor
- ▶ RS-232 DB-9 serial cable

# 3 FRONT AND REAR PANELS

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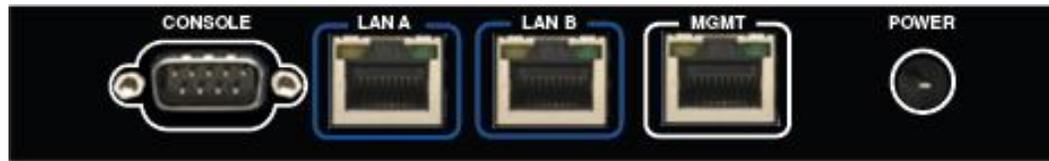
## 3.1 Front Panel



The front panel of the Linktropy Mini<sup>2</sup> contains:

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

## 3.2 Rear Panel



The rear panel of the Linktropy Mini<sup>2</sup> contains:

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

**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.

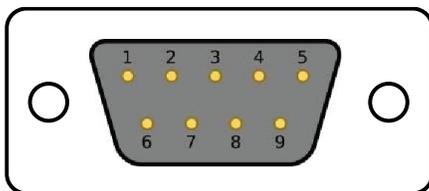
**MGMT:** 10/100baseT Ethernet interface with a standard RJ-45 plug for browser-based management of the unit over the network.

**Power input:** Standard DC power jack with 2.1 mm center pin. The center pin is positive and the sleeve is ground. 7-20V DC power.

# 4 CONSOLE INTERFACE

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Console access to the Linktropy Mini<sup>2</sup> is through the RS-232 interface on the rear 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

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Purchase of the Linktropy Mini<sup>2</sup> includes a 1 year warranty on the hardware, 1 year maintenance, and 90 days of customer support.

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<sup>2</sup> 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 with 64 byte packets
Interfaces		
Network		2 x 10/100baseT Ethernet
Management		1 x 10/100baseT Ethernet
Console		1 x RS-232
Environmental and Physical		
DC Input		7 - 20V DC power
AC Input		100 – 240 VAC, 50 – 60 Hz with supplied AC power adaptor
Power Draw		6 Watts
Dimensions		6.6" W x 6.2" D x 1.2" H 168 mm W x 157 mm D x 30 mm H
Weight	Product	1.1 lbs (0.5 kg)
	Shipping	2.2 lbs (1.0 kg)
Temperature		32° to 104°F (0° to 40°C)
Certifications		FCC, CE, RoHS
Warranty and Support		
Hardware warranty		1 year
Software Maintenance		1 year
Customer Support		90 days

# APPENDIX B: REGULATORY

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## 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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