TrafficJam

Hardware Guide

APPOSITE
TECHNOLOGIES

TrafficJam Hardware Guide

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CONTENTS

1 Overview

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

> ⚠️ The TrafficJam 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.

2 INCLUDED ITEMS

The TrafficJam shipping carton contains the following items:

- TrafficJam hardware unit

- TrafficJam Quick Start Guide

- AC power adaptor
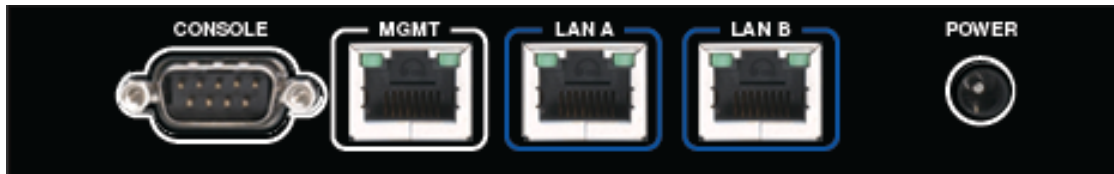
- RS-232 DB-9 serial cable

3 FRONT AND REAR PANELS

3.1 Front Panel

The front panel of the TrafficJam 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 TrafficJam contains:

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

MGMT: 10/100/1000baseT Ethernet interface with a standard RJ-45 plug for browser-based management of the unit over the network.
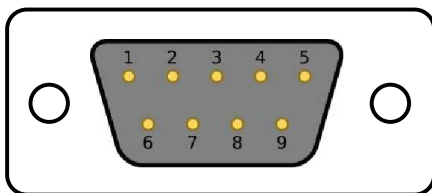
LAN A: 10/100/1000baseT Ethernet interface with a standard RJ-45 plug. Connects to the network segment functioning as LAN A in network emulations.

LAN B: 10/100/1000baseT Ethernet interface with a standard RJ-45 plug. Connects to the network segment functioning as LAN B in network emulations.

Power input: 12V DC power, 2.5 mm center positive input.

4 CONSOLE INTERFACE

Console access to the TrafficJam 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

Purchase of the TrafficJam includes a 1year warranty on the hardware, 1year 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:

▸ 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 TrafficJam contains no user serviceable parts. Opening the chassis voids the warranty.

APPENDIX A: SPECIFICATIONS

Capacity	
Test Ports	2x Gig Ethernet (copper)
Max. Agg. Throughput	2 Gbps
Maximum Packet Rate	350,000 packets per second with 64 bytes
Maximum Frame Size	9KB
Interfaces	
Network	2 x 10/100/1000baseT Ethernet
Management	1 x 10/100/1000baseT Ethernet
Console	1 x RS-232
Security	SSH, no SSL. Password Protected
Environmental and Physical	
DC Input	12V DC Power
AC Input	100 – 240 VAC, 50 – 60 Hz with supplied AC power adaptor
Power Draw	9 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	1.1 lbs (0.5 kg)
Temperature	32° to 104°F (0° to 40°C)
Certifications	FCC, CE, RoHS
Warranty & Support	
Hardware Warranty	1 year
Maintenance	1 year
Support	90 Days
Ordering Information	
Part Number	TJ1G

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:
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