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Press Ext. 1 for Sales

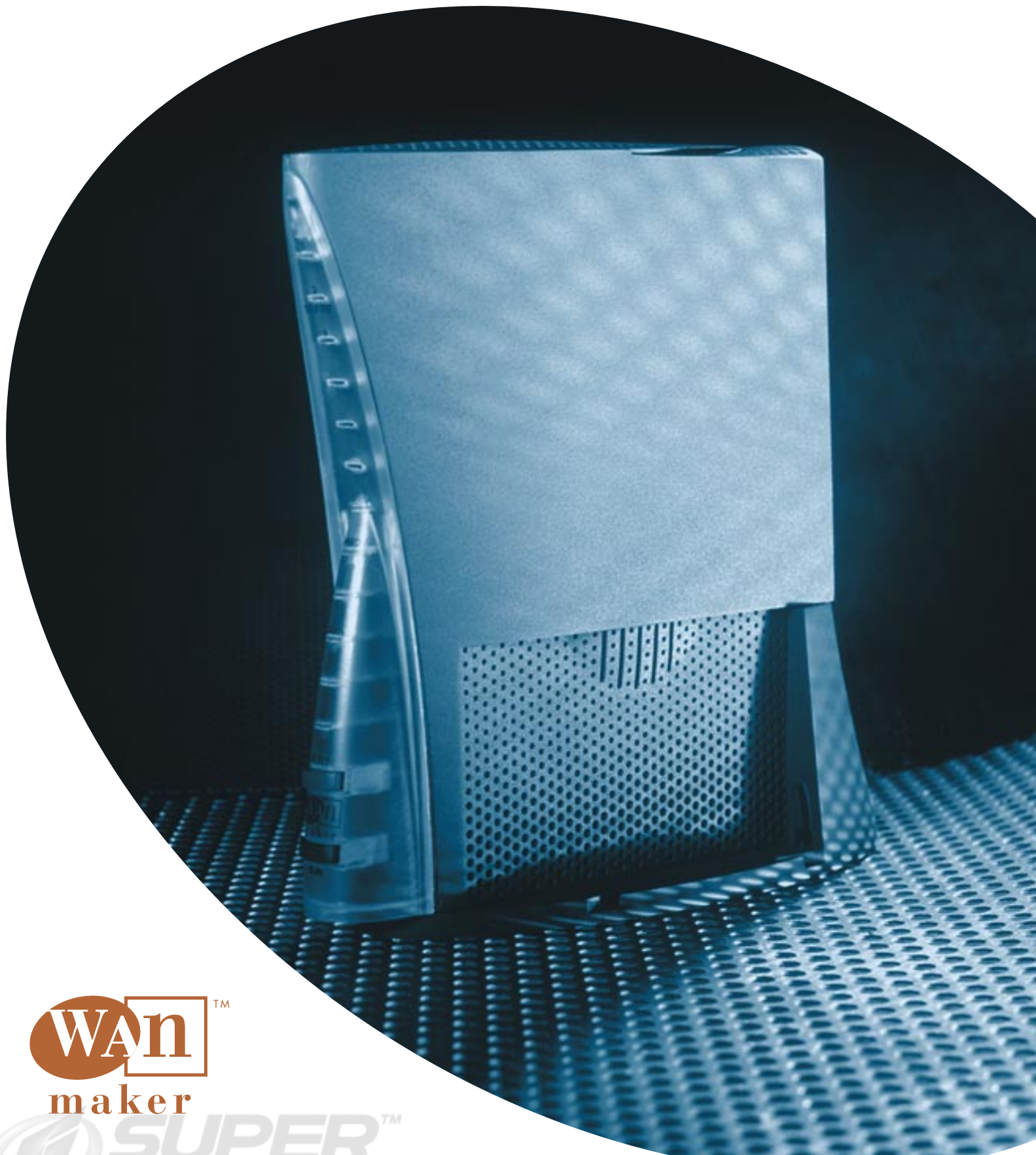
About Super Warehouse:

- Over 50,000 brand name computer hardware and software products
- Discount prices
- Friendly and knowledgeable staff
- Five star customer service
- Free shipping on select orders
- Proudly serve business, education, and government clients (we ship to APO/AP and AE addresses)
- 16 warehouses throughout the country
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- Fedex overnight and even same day shipping available
- In business since 1997
- CNET certified merchant
- Clients we have served include virtually all fortune 500 companies, the US military, thousands of schools, colleges and universities, and municipal, state, and federal government organizations

www.wanmaker.com

TerraUno™

E1/T1 ACCESS

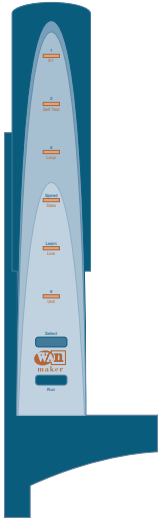


WAN™
maker

SUPER™
WAREHOUSE

Introduction

WANmaker™ is a family of products providing high-speed connections to the worldwide public network. Using technology to simplify technology, WANmaker empowers users — at the same time freeing them from the burden of mastering a succession of network equipment, services, and protocols. As access opportunities evolve, the WANmaker family grows, with new products employing the same user-friendly plug-and-play design and universal-mount housing. WANmaker does its work so you're free to do yours.

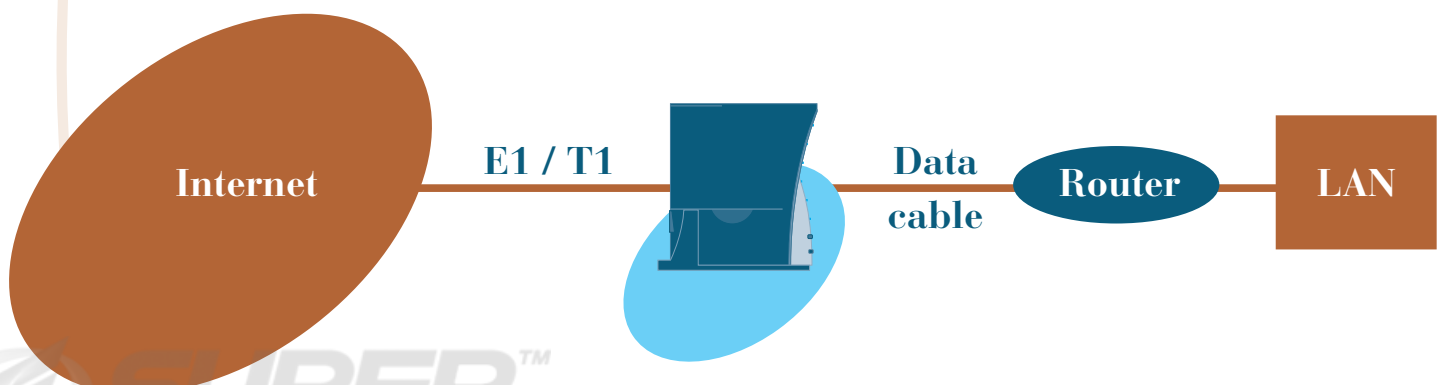


WALL MOUNTING

WANmaker TerraUno™ is optimized for connection of routers, bridges, and other high-speed devices to E1/T1 public network services such as the Internet and Frame Relay. TerraUno is as easy to install and use as a plug-and-play analog modem. Users new to high-speed networking can be confident of success. Old hands will appreciate the simplicity and **speed** of installation.

In many cases, connecting the cables will be all you need to do. Should the statistically selected setup not match your network, LEDs will alert you, and with a few **simple** button presses TerraUno will learn the correct setup from the network. The *Getting Started* guide will lead you quickly through the steps.

If you prefer a terminal interface, we provide one with the feel of a web browser. It features a graphical representation of TerraUno's status, from the network line to the control leads on the data port. It's like having an expensive test set you don't have to buy or learn to use.



Key Features

FIRST WORLDWIDE SOLUTION

TerraUno is the first product to provide a single worldwide solution for network access at E1 and T1 data rates. Information about country-specific homologation and power cords is available on our web site, www.wanmaker.com.



UNIVERSAL MOUNTING

WANmaker's universal mounting lets you choose desktop installation, wall-mounting, or rack-mounting. A removable foot gives single or interlocked units a "book-like" stance. Or you can re-orient the foot as a handy wall mount. For rack-mounting applications, a 10-slot metal shelf supports optional redundant power supplies. You simply remove the foot and slide the unit into the shelf.

AUTOMATIC LINE LEARNING

Connect the cables and activate **Line Learn™** from the front panel. TerraUno will match its configuration to the specific characteristics of your E1 or T1 line—the first E1/T1 access product with this capability. A statistical "best guess" will be made for any parameters that can't be determined from the network signal.

AUTOMATED TROUBLESHOOTING

Should something go wrong with your network connection, activating the **Self-Test** function will quickly verify the health of TerraUno. Then, using the terminal interface, you can troubleshoot the connection using the built-in **Graphical Test Set**—complete with status diagrams, loopbacks, and test patterns. Adding a modem lets you access the test set over password-protected dial-up connections.

Specifications

NETWORK INTERFACES

Type - Full and fractional E1 and T1

Line Rate - 2.048 Mbps \pm 50 ppm (E1) or 1.544 Mbps \pm 50 ppm (T1)

Framing - E1: per G.703 and G.704, with or without CRC-4; T1: D4 or ESF per AT&T 62411

Line Coding - E1: HDB3; T1: AMI, AMI bit 7, or B8ZS

Connector - RJ45 (BNC with cable adapter)

Impedance - E1: 120 ohms balanced / 75 ohms unbalanced with adapter; T1: 100 ohms balanced

Clocking - Network or Internal

HIGH SPEED DTE INTERFACE

Data Rates - Nx56 or Nx64 kbps (N=1 to 31 for E1, 1 to 24 for T1)

Interface Types - V.35, X.21, RS422/449

Hardware Interface - EIA 530; DB25 connector

MANAGEMENT ACCESS

Front Panel Interface - 2 keys; 7 LEDs

Front Panel Commands - Line Learn, Data Speed, Loop, and Self-Test

Terminal Interface - VT100-compatible, to 38,400 baud, DB9 connector; browser style with links, frames, and graphical test set

Performance Monitoring - E1: RFC 1406; T1: per AT&T Pub 54016, ANSI T1.403, RFC 1406

Alarm Reporting - Configurable thresholds and dial-out

Loopbacks - Line, Payload, and Data; controlled locally, remotely, and via data port lead

Test Patterns - Framed QRSS, 2047, 2¹⁵-1, 2²⁰-1, 2²³-1 (only 2047 for E1 with CAS); single bit error injection

Year 2000 - Fully compliant with Year 2000 requirements

GENERAL

Power - 9 V dc, 1 amp; ac converter provided to country specifications; 110 V \pm 15%, 60 Hz or 100 to 240 V, 50/60 Hz

Dimensions - (H x W x D, without desk/wall mounting foot) 8 x 1.75 x 7.5 inches, 20.3 x 4.5 x 19.1 cm

Environment - 0 to 50 °C (32 to 122 °F) ambient; up to 95% relative humidity, non-condensing

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LARSCOM

1845 McCandless Drive
Milpitas, CA 95035
Tel: (408) 941.4000
Fax: (408) 956.0108
Email: info@larscom.com
Web: www.larscom.com