

TerraUno™ and TerraBoss™

T1/E1 DSUs



The TerraBoss and TerraUno offer the industry's easiest configuration and management in truly global T1/E1 DSUs. They provide worldwide connectivity for both small-office desktops and international networks.

Featuring Larscom's LineLearn™ capability, the TerraBoss and TerraUno automatically configure to either a T1 or E1 line. A single network port provides T1/E1 support and one serial port supports V.35/X.21/RS449/EIA530.

While the TerraBoss and TerraUno both provide advanced configuration, monitoring, and diagnostic features through terminal and front-panel interfaces, the TerraBoss provides a wider range of management options. Among the TerraBoss management capabilities are a web interface, an integral SNMP agent, Telnet via 10Base-T Ethernet, and an email agent.

The TerraBoss and TerraUno offer a vertical design in a plastic case that can be mounted in a tray of two units or in a chassis of up to ten units. In a single ten-unit chassis, one TerraBoss can be used to manage nine TerraUno DSUs.

Priced less than competitive T1/E1 DSUs, the TerraBoss and TerraUno are as easy to cost-justify as they are to install and manage.

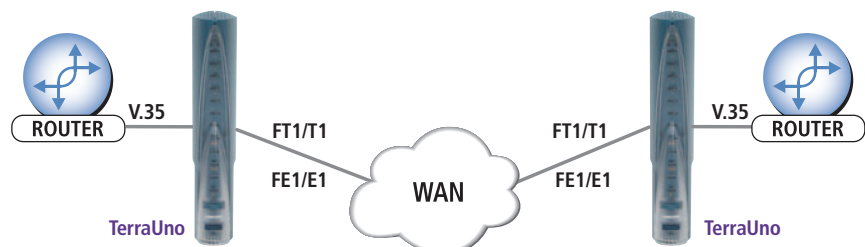
BENEFITS

- Provides a single solution for T1 and E1 applications
- Minimizes set-up time with plug-and-play installation
- Makes troubleshooting quick and accurate with graphical test set and comprehensive diagnostic functions
- Provides compatibility with V.35, RS449, EIA530, and X.21 serial interfaces through a single data port
- Simplifies network operations with email alerts, Telnet access, SNMP, and a web browser interface

SPECIFICATIONS	
Power	
AC	100 to 240 V AC, 50/60 Hz, 9 watts; converter provided
DC	9V DC
Amps/BTUs	1A@9V DC, 30.7 BTUs/hr
Network Interface	
Line Rate	T1: 1.544 Mbps; E1: 2.048 Mbps
Framing	T1: D4, ESF; E1: G.703, G.704; E1 unframed
Line Coding	T1: AMI, B8ZS; E1: HDB3
Physical Interface	RJ48C (BNC with 75-ohm cable adapter)
DTE Interface	
Data Rate	N x 56 Kbps or N x 64 Kbps (N = 1 to 24 for T1 and 1 to 31 for E1)
Electrical	EIA530 configurable to V.35, X.21, RS442/449
Physical Interface	DB25S
Management	
Front Panel	2 buttons, 7 LEDs
Terminal Interface	RS-232 (DE9P), VT100 compatible (TerraUno and TerraBoss)
10Base-T Ethernet	SNMP, SMTP, Telnet, web browser (TerraBoss)
Physical Characteristics	
Usage	Desktop, interlocking stack, wall mount, 19"/23" Tray mount (two units), 19"/23" Chassis mount (up to ten units)
Size	8" H x 1.75" W x 7.5" D (20.3 x 4.5 x 19.1 cm)
Shipping Weight	5 lb. (2.27 kg)
Environment	
Operating	0 to 50 °C (32 to 122 °F); Up to 95% relative humidity, non-condensing

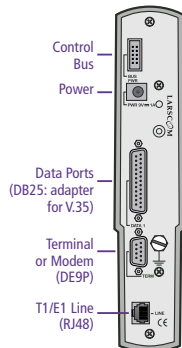
Typical Application

Here, the TerraUno connects internal routers to Internet services using a FT1/FE1 and serves as the demarcation point between internal LAN and the public WAN.



BACK PANEL AND CABLE GUIDE	
	Model No
Control Bus Port	
Bus ribbon cable, tray, connects TerraBoss or TerraMux to TerraUno	BUSCABL-TRAY
Bus ribbon cable, connects TerraBoss or TerraMux and up to four TerraUno units	BUSCABLE-005
DTE Port (EIA530, DB25S)	
V.35	
Adapter, molded DB25P-M34S, DCE-DTE 2.5" one included	A80-LAK10-001
DB25P to M34S adapter, 1 ft.	DATAADAP-V35
DB25P to M34S, (EIA530 to V.35) xx ft. (xx = 001, M06, 015, 025, 050)	080-2443-xxx
DB25P to M34P, (EIA530 to V.35) xx ft. (xx = 06, 15, 25, 50)	080-2263-0xx
EIA530	
DB25P to DB25S, (EIA530 to EIA530) xx ft. (xx = 06, 15, 25, 50)	080-2333-0xx
DB25P to DB25P, (DCE to DTE) xx ft. (xx = 06, 15, 25, 50)	080-2433-0xx
DB25P to DB25P, (DCE to DCE), xx ft. (xx = 06, 15, 25, 50)	080-2373-0xx
RS449	
DB25P to DC37S, (EIA530 to RS449) xx ft. (xx = 06, 15, 25, 50)	080-2453-0xx
DB25P to DC37P, (EIA530 to RS449) xx ft. (xx = 06, 15, 25, 50)	080-2273-0xx
Terminal Supervisory Port (DE9P)	
DE9S to DE9S, xx ft. (xx = 001, M06, 015, 030, 050)	080-2393-xxx
Network Port (RJ48C)	
RJ48C to RJ48C, 14 ft. (included)	410-065-32
Adapter, RJ48C 120-ohm to 75-ohm BNC	190-701-54
10Base-T Ethernet Management Port (RJ45) - TerraBoss	

Note: M = molded connector, P = plug (male), and S = socket (female).



ORDERING INFORMATION	
TerraUno and TerraBoss Models	Model No.
TerraUno with 14 ft. RJ48C T1 line cable	TERRAUNO-NA1
TerraUno with 14 ft. RJ48C T1 line cable and 75-ohm balun	TERRAUNO-NA2
TerraUno for EU countries	TERRAUNO-EU1
TerraUno for EU countries with 75-ohm balun	TERRAUNO-EU2
TerraUno with UK 3 prong and 75-ohm balun	TERRAUNO-UK1
TerraUno for Asia/Pacific; requires Australian power supply from distributor	TERRAUNO-AP1
TerraUno for Asia/Pacific with 75-ohm balun; requires Australian power supply from distributor	TERRAUNO-AP2
TerraUno for Japan	TERRAUNO-JP1
TerraBoss with 14 ft. RJ48C T1 cable	TERRABOSS-NA1
TerraBoss with 14 ft. RJ48C T1 cable and 75-ohm balun	TERRABOSS-NA2
TerraBoss for EU countries	TERRABOSS-EU1
TerraBoss for EU countries with 75-ohm balun	TERRABOSS-EU2
TerraBoss with UK 3 prong and 75-ohm balun	TERRABOSS-UK1
TerraBoss for Asia/Pacific; requires Australian power supply from distributor	TERRABOSS-AP1
TerraBoss for Asia/Pacific with 75-ohm balun; requires Australian power supply from distributor	TERRABOSS-AP2
TerraBoss for Japan	TERRABOSS-JP1
TerraUno Bundles	
TERRAUNO-NA1, RJ48C T1 line cable (14 ft.), molded DB25P-M34S, DCE-DTE 2.5" shielded adapter, 080-2393-M06 supervisory cable (6 ft.), DATAADAPT-V35 V.35 adapter (1 ft.), manuals, and Silver Service	B-TE1
TerraBoss Bundles	
TERRABOSS-NA1, RJ48C T1 line cable (14 ft.), molded DB25P-M34S, DCE-DTE 2.5" shielded adapter, DATAADAPT-35 V.35 adapter (1 ft.), 080-2393-M06 supervisory cable (6 ft.), Ethernet port, manuals, and Silver Service	B-TE 2
Related Products	
Service Programs	See page 78
Chassis, with one AC power supply, holds up to ten TerraUno units or TerraBoss or TerraMux with nine TerraUno units	WANMAKER-CHS
Tray, 19" rack mount, 1RU, holds two TerraUno units or one TerraBoss or TerraMux unit with one TerraUno unit	WANMAKER-TRAY
Spare AC power supply for Chassis	WANMAKER-CP1
Null modem terminal cable, 6 ft. (DB9S to DB9S)	TERMCABL-DB9
Power supply, 100 to 240 V AC, 50/60 Hz	WANMAKER-P02

Typical Application II

The TerraUno simplifies the installation and support of private network connections between enterprise sites worldwide. A ten-unit chassis with nine TerraUno DSUs managed by a single TerraBoss or TerraMux services the heavy CAD/CAM and data traffic.

