Remote Access Server
Patton 2996 Quad T1/E1/PRI RAS

The Patton 2996 Remote Access Server concentrates 96/120 dial-up ports each supporting V.110, V.92, V.44, V.90, K56Flex™, V.34+, and ISDN connections.

High-Density 96/120 Port RAS
Lowest-cost dial-up WAN access system available

Terminate 4 T1s or 4 E1s
More ports, More power, More punch to the bottom line

Dynamic Modem/Digital Support
All modems support V.110, V.92, V.44, V.90, K56Flex™, V.34+ or digital ISDN connetions

SNMP/HTTP Network Management
Use a standard Web Browser, HP OpenView™ or command line to configure and manage the 2996

Compact 1U Chassis
Convection cooled design allows stacking with no fans or moving parts to fail

Dual-Redundant Power Supplies
Provides high-reliability with dual load-sharing power supplies

The Patton Model 2996 Remote Access Server connects V.110, V.92, V.44, V.90, K56Flex, V.34+ and ISDN dial-up users to your network using a fully redundant, high-density package. The 2996 concentrates 96/120 simultaneous calls across four T1s or four E1s. Simply, it is the most cost-effective wide area dial-up access platform on the market.
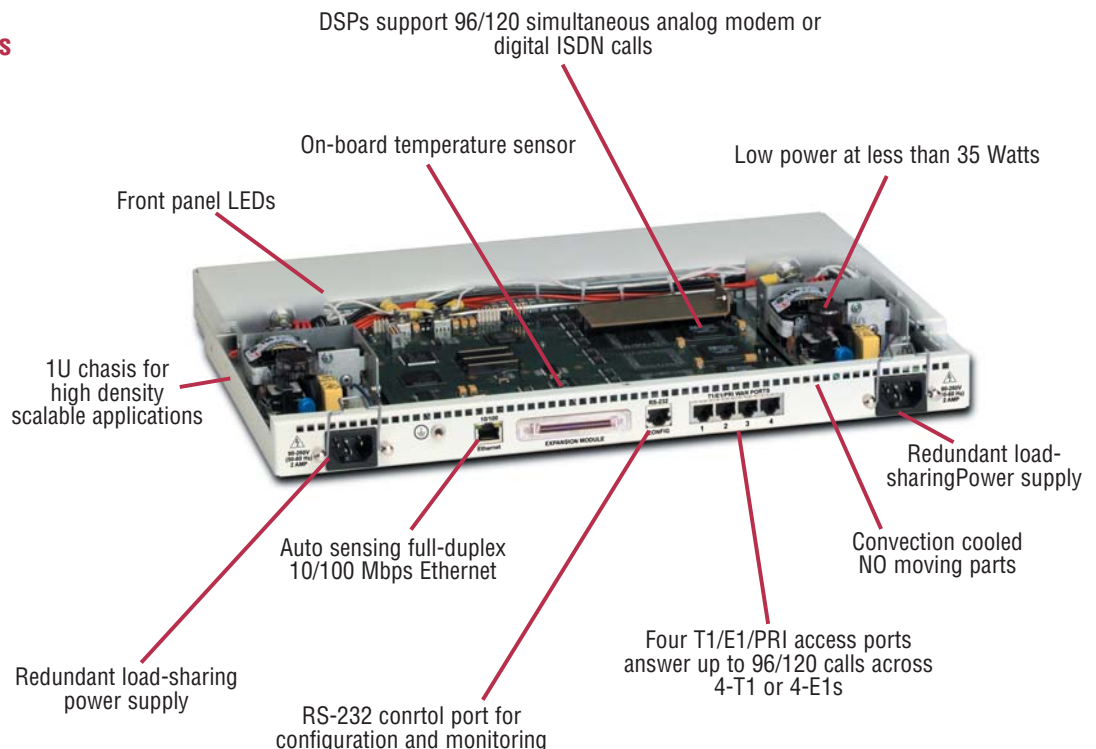
Only 1U high, the 2996 is a complete system and includes all access server software, IP routing, a 10/100 Ethernet port and four built-in T1/E1 CSU/DSUs. Setup and operation is a snap. The 2996 features an integrated Web based SNMP/HTTP/CCI management system for complete config-

uration and control using your favorite browser or the command line. With its standard dual-redundant load sharing power supplies, the Model 2996 helps guarantee up-time and is perfect for high-demand, high-availability applications.

With all of these features, the 2996 is simply the highest density, most reliable and cost effective RAS available today!

For additional information, point your browser to www.patton.com.

GET YOUR ADVANCE SHIP 5 YEARS ENHANCED WARRANTY

Special Rates
Available
Call for Details

DSPs support 96/120 simultaneous analog modem or digital ISDN calls

On-board temperature sensor

Low power at less than 35 Watts

Front panel LEDs

1U chasis for high density scalable applications

Redundant load-sharingPower supply

Convection cooled NO moving parts

Auto sensing full-duplex 10/100 Mbps Ethernet

Redundant load-sharing power supply

RS-232 conrtol port for configuration and monitoring

Four T1/E1/PRI access ports answer up to 96/120 calls across 4-T1 or 4-E1s

PATTON®

Why use our Model 2996 RAS?

From HTTP management to dual-redundant power supplies to FR/PPP uplink integration, the NetLink Model 2996 provides an all-in-one package for the expanding ISP. Featuring:

✓ Integrated T1/E1 ports with built-in CSU's.

✓ Self-cooling system with built-in temperature sensor and no moving parts to fail.

✓ Dual-redundant power supplies…standard.

✓ Sleek 1U high form factor makes the 2996 the highest density RAS available today.

2996 Competitive Positioning

		Patton 2996	Lucent MAX 6000	Cisco AS 5300	3COM TCH 1000
Base Features	Number of V.90/V.92 calls	96/120	120	120	120
	Free V.92 Upgrade	Yes	NO	NO	NO
	T1/E1/PRI ports	4	4	4	4
Key Selling Points	10/100 Ethernet ports	1	1	1	2
	Built-in HTTP/WEB Mgmt	YES	NO	NO	NO
	Dual Redundant Power	YES	Add'l $$$	Add'l $$$	Add'l $$$
	Tech Support	FREE	Add'l $$$	Add'l $$$	Add'l $$$
	Software Upgrades	FREE	Add'l $$$	Add'l $$$	Add'l $$$
	Rack Height	1U	2U	2U	6U

Netlink RAS Product Family

	Model 2960					Model 2996		Model 3120			
Model Number	2960/16	2960/24	2960/30	2960/48	2960/60	2996/96	2996/120	3120/48	3120/60	3120/96	3120/120
Number of Connections	16	24	30	48	60	96/120 Calls—4 T1's or 4 E1's		48	60	96	120
Power Supplies	Dual Redundant (Fixed) AC					Dual Redundant (Fixed) AC		Dual-Redundant (Hot Swap) AC or DC			
Ethernet Ports	One 10/100Base-T					One 10/100Base-T		Two 10/100Base-T			
WAN Ports	Four					Four		Four			
Modem Modulations	V.110, V.92, V.44, V.90, K56Flex™, V.34 Annex 12, V.34, V.32bis, V.32, V.23, V.22, V.22bis, V.21, Bell 212A, Bell 202, Bell 103, EIA-PN-2330, V.8, V.8bis, Sync/Async receiver/transmitter for V.14, V.42/V.42bis error correction & compression.										
PSTN Signaling	E1 Primary Rate interface (Q.931), E1 MFR2 (R2), T1 Primary Rate Interface, T1 Robbed bit with Loop/Ground Start or E&M Wink, E&M Immed, Taiwan R1 and Drop & Insert										
Management Services	HTTP, SNMP, TELNET Dial-in and Ethernet or RS-232 console port, SYSLOG client, Remote software upgrade via FTP, User configurable login prompts and banners										
Authentication	RADIUS, PAP/CHAP, Username/Password, and Static Users Database (111 Entries)										
Software Upgrades	Achieved through Flash upgrades via FTP (upgrades available from www.patton.com)										
Protocol Services	TCP/IP suite with extensive protocol statistics • ICMP/TFTP/FTP/RLOGIN/TELNET • Ethernet ARP, Proxy ARP and RARP protocols • Point-to-Point Protocol (PPP) • SLIP protocol • Van Jacobson TCP header compression PPP address and protocol compression • RADIUS authentication and accounting, with support for primary and secondary servers • RIP and RIPv2 • User configurable static routes • MultiLink PPP • Multi-chassis MultiLink • Layer 3 and Layer 4 IP Filtering • NFAS • DNIS										
Dial-out Services	Dial-out with support for multi-link PPP • Single-line call-back • Remote authentication using PAP and CHAP and session time										

* Specifications subject to change without notice.