



# iDSL KiloModem

## Patton Model 1092A

*The Patton 1092A iDSL Modem Provides a Flexible, Manageable Solution for High Speed Dedicated Connectivity.*

### Multi-Speed iDSL

Multiple full-duplex symmetric rates (32, 56, 64, or 128 kbps)—users select the bandwidth option they need

### QuikConnect Interface

A wide variety of interface options that users can change in seconds to fit their needs

### SNMP Manageable

HTTP/SNMP manageable from anywhere in the world via the Internet

### Front Panel Status Indicators

Front panel LED's provide users with quick feedback on unit operation

### Transparent to DLCs

iDSL technology using 2B1Q line coding to pass transparently through a Telco DLC system

### Broad compatibility

The Model 1092 is interoperable with most Standard iDSL modems throughout the industry (ASM-3 compliant)

### Long-Reach iDSL

Industry leading distances of over 26,000 feet (24 AWG wire) without a repeater

Patton's IPLink Managed VPN Routers are a family of next generation appliances that address both the security and the traffic prioritization needs of enterprises. The Model 2823 Secure DMZ Router with integrated QoS makes it easy for enterprises to isolate their web servers in a secure demilitarized zone (DMZ). The three-port router provides physically and logically separates connections to a private LAN and a DMZ network, while still allowing secure business-class Internet access with traffic-shaping services.

As with all IPLink VPN Router, the Secure DMZ Router implements a comprehensive security environment. It all starts with IPsec. By supporting ESP as well as AH, IPLink VPN Routers provide data integrity, authentication, anti-replay and data confidentiality to any traffic flow. DES, 3DES, and AES provide standard encryption up to 256 bits. Firewall capabilities of the IPLink VPN Routers include Access Control Lists (ACLs), IP address and port filtering, and protection against Denial of Service (DoS) attacks. Likewise, PPPoE pro-

ocols include support for PAP and CHAP authentication.

QoS features include ToS/DiffServ marking and the configuration of eight service class tags per IEEE 802.1p/Q. With traffic scheduling and shaping, create dedicated bandwidth guarantees, configurable burst tolerance, and policing to include excess traffic discard. IP fragmentation is configurable to help minimize jitter in traffic flows.

Advanced IP features include RIPv1 & RIPv2 routing and static route configuration. Static and dynamic NAT, NAPT, DNS resolver and relay, dynamic DNS, and DHCP server further add to the capabilities of the IPLink VPN Router. All IPLink VPN routers can be managed via a web browser (HTTP), command line interface (Telnet), or an SNMP management platform.

For more information, visit us at [www.patton.com](http://www.patton.com).



## Remote Office/Branch Office Voice Extension and Access diagram

Patton offers the complete iDSL answer by offering the end-to-end solution in easily managed configurations. The flexibility offered by the 1092A and the 1092ARC in allowing the user to exchange interfaces without having to replace the modem combined with Patton's that easy-to-use exchange SNMP/HTTP Web-based management system make the 1092A the complete solution to network providers iDSL service needs.

### Flexible QuikConnect Interface

QuikConnect modules allow users to purchase a unit and choose the interface module they want.

As user needs change, one QuikConnect module can be removed and a different one can be swapped in without purchasing another modem

Interface Options Include: Dual Voice and Data, 10Base-T Ethernet, 64K G.703, X.21, V.35, RS-422/530, V.24/RS232

### Selectable Data Rates

Full-Duplex Synchronous Rates—choose from 32, 56, 64, or 128 kbps

Asynchronous Rates—0 to 38.4 kbps

### Broad Compatibility

Compatible with all of Patton's existing iDSL products

Compatible with third party vendor iDSL modems

Transparent to telco DLCs

### Leading Distances

Our iDSL modems lead the iDSL industry at distances over 26,000 feet on 24AWG wire.

### SNMP Manageable

Use Patton's SNMP/HTTP based management system to manage the 1092A as the remote unit when used with Patton models 1092ARC/1001MC, 3092 or 3192.

### 1092A Competition Comparison

	Patton 1092A iDSL NTU	Telindus Crocus HS	RAD ASMi-31
<b>Flexible Interface</b>	YES	YES	YES
<b>Voice Over DSL</b>	YES	NO	NO
<b>SNMP</b>	YES	YES	YES
<b>HTTP Web Based Management</b>	YES—Free	NO	NO
<b>High Density Rack solution</b>	YES Only 2U high allows 16 modems	NO 6U for only 30 modems	NO 4U for only 12 modems
<b>2 or 4 Wire Operation</b>	YES	NO	NO

## Specifications\*



1092A Standalone



1092ARC Rack Card

<b>Rate</b>	32, 56, 64, 128 kbps Synchronous / 0–38.4 kbps Asynchronous	
<b>Clocking</b>	Internal, External, or Receive Recover Clocking	
<b>Line Coding</b>	2B1Q line coding	
<b>Line Interface</b>	RJ-45 or Terminal Block; Two or Four Wire (single or double twisted pair)	
<b>Front Panel Indicators</b>	LEDs for DSL link, transmit/receive data, no signal, loop test errors, and test mode indication	
<b>Management</b>	DIP switch, VT-100 via an EIA/TIA-561 port or SNMP/HTTP as remote CPE unit	DIP switch, VT-100 via an EIA/TIA-561 port presented on the 1001MC or 1001CC Management Card, or SNMP/HTTP via 1001MC Management
<b>Power Supply</b>	Internal 90–250 VAC, 50–60 Hz universal power supply or -48 VDC supply	Powered via internal bus in the 1001 rack chassis
<b>Compliance</b>	FCC Part 15A, EN55022 Class A conducted and radiated emissions, CTR-1, CTR-14 (/F Version), CE Mark, EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC, ESD EN 61000-4-2, MET/cMET	FCC Part 15A, CTR-1, CTR-14 (1092ARC/C/O Version), CE Mark, EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC, ESD EN 61000-4-2
<b>Environment</b>	Operating Temperature: 0–50°C; Humidity: 5–90%, non-condensing	
<b>Dimensions</b>	1.62H x 7.30W x 6.60D in. (4.10H x 18.50W x 16.80D cm)	Front module: 3.10H x 0.95W x 4.80D in. (7.87H x 2.41W x 12.19D cm) Rear module: 2.80H x 0.95W x 3.30D in. (7.11H x 2.41W x 8.38D cm)

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07M1092A-DS2

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