iDSL Rocket NTU
Model 1082

The Model 1082 low cost fixed-interface solution for dedicated high speed multi-rate connectivity using a single twisted-pair.

Multi-rate iDSL
Select full-duplex symmetric data rates from 32 to 144 kbps.

Multiple Fixed Interfaces
Flexible interface options to choose from including V.35, X.21, Ethernet, and co-directional 64

Flexible Management
Use with Patton's Central Office solutions and manage

Transparent to DLCs
Patton's iDSL technology with 2B1Q line coding passes transparently through Telco DLCs

Open Compatibility
The Model 1082 is interoperable with most standard

Long Reach iDSL
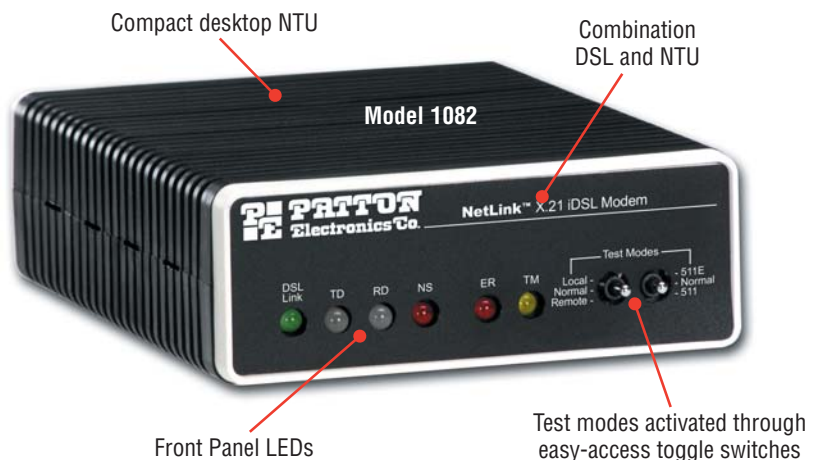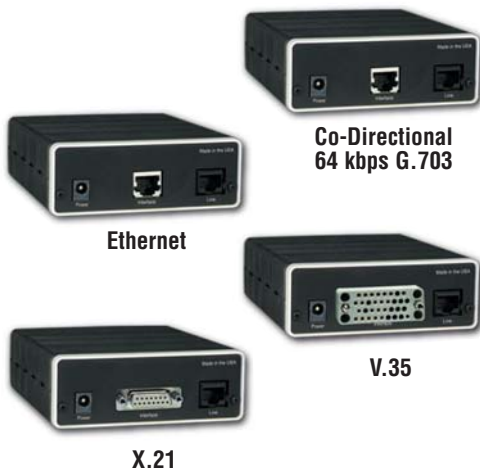*Industry leading distances of over 26,000 feet (7.92 km) without repeaters*

The last-mile is the most critical piece of the network as providers seek to offer affordable broadband transmission over existing copper infrastructures. The answer ILECs/CLECs and PTTs have been looking for is Patton's Model 1082 iDSL Rocket NTU. Using ordinary copper telephone wires, the Model 1082 provides affordable high speed dedicated leased-line connections at speeds up to 144 kbps.

The Model 1082 iDSL Rocket offers a high-speed full-duplex link (up to 144 kbps) at distances over 26,000 feet (8 km). Using 2B1Q line coding, the Model 1082 iDSL is transparent to repeaters and can be connected to a central office (CO) via a digital loop carrier (DLC) system or an ISDN repeater. When combined with Patton's central site iDSL solutions, the iDSL Rocket can be managed with SNMP or the via the Web. Remote control capabilities enable providers to establish an end-to-end service delivery solution.

The Model 1082 iDSL Rocket NTU delivers the multi-rate connectivity and is simply the most economical method for delivering broadband connectivity.

Visit www.patton.com for more information.

Co-Directional
64 kbps G.703

Ethernet

V.35

X.21

Compact desktop NTU

Combination
DSL and NTU

Model 1082

Front Panel LEDs

Test modes activated through
easy-access toggle switches

PATTON

Competitive Positioning

The Patton Model 1082 iDSL NTU is the low cost modem with all the features packed into a conveniently compact desktop unit. Plus you know Patton stands behind their products by offering free configuration support, free technical support, and a full one-year warranty on all their products.

Multi-rate
- Full-duplex synchronous rates from 32, 56, 64, 128, or 144 kbps
- Asynchronous rates from 0 to 38.4 kbps

SNMP Manageable
Use Patton's SNMP/HTTP based management system to manage the 1082 as the remote unit when used with Patton models 1092A/1001MC, 3092, or 3192.

Broad Compatibility
- Compatible with all of Patton's existing iDSL products
- Compatible with third-party vendor iDSL modems
- Transparent to Telco DLCs

1082 Competition Comparison

	Patton 1082	Copper Mtn. 201	Paradyne 6301/6302	RAD ASM31
Multi-rate (32–144 kbps)	YES	NO	NO	NO
Max Distance (feet)	26,000	18,000	18,000	18,000
Web-based SNMP	YES	YES	YES	NO
AC/DC power options	YES	YES	NO	YES
Flexible interface options	YES	NO	NO	YES
Free technical support	FREE	NO	NO	NO

Flexible Interface Options
- V.35, X.21, 10Base-T Ethernet, co-directional 64 kbps G.703

Industry Leading Distances
- Patton's iDSL modems lead the industry by providing iDSL at distances over 26,000 feet.

Specifications

	1082/I/xx	1082/C/xx	1082/D/xx	1082/F
Rates	32, 56,64,128 kbps (Ethernet Bridging)	32, 56, 64, 128 kbps synchronous 0–38.4 kbps asynchronous	32, 56, 64, 128 kbps synchronous 0–38.4 kbps asynchronous	64 kbps Co-directional G.703
	1082/144/I/xx	**1082/144/C/xx**	**1082/144/D/xx**	
	Up to 144 kbps (Ethernet	Up to 144 kbps sync; 0–38.4 kbps async	Up to 144 kbps sync; 0–38.4 kbps async	
Clocking	Internal or Receive Recover Clocking			
Line Coding	2B1Q line code			
Line Interface	RJ-45; Two-wire (single twisted pair)			
Management	DIP switch or SNMP at the remote unit			
Front Panel Indicators	LEDs for DSL link, transmit/receive, no signal, loop test errors, and test mode indication			
Power Supply	External wall mount power supply with universal 90–260 VAC input or 48 VDC input			
Compliance	FCC Part 15A, CE Mark, EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC			
Environment	Operating Temperature: 0–50°C; Humidity: 5–90%, non-condensing			
Dimensions	4.7W x 1.52H x 5.0D in. (10.6W x 3.9H x 12.7D cm)			

xx = Power supply option (UI = 90–260 VAC, 48 = 48 VDC)