



# 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

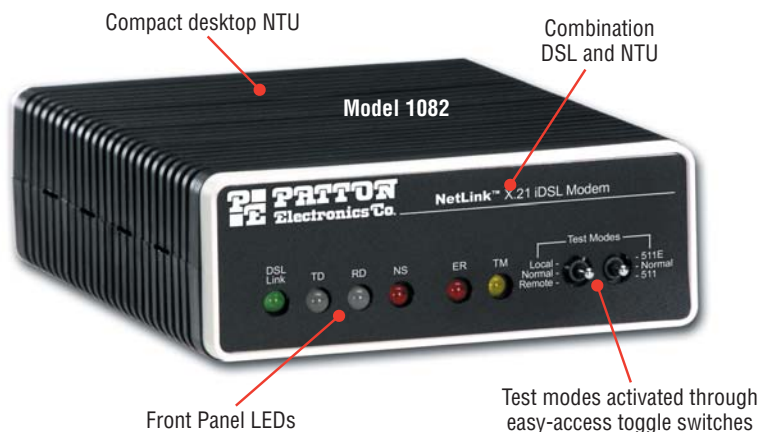
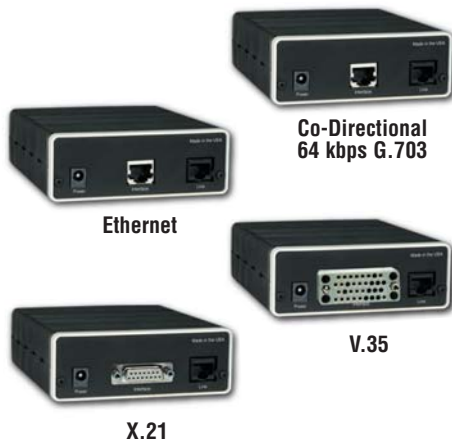
The last-mile is the most critical piece of the network as providers seek to offer affordable broadband transmission over existing copper infrastructures. The answer ILECs/CLECs and PTTs have been looking for is Patton's Model 1082 iDSL Rocket NTU. Using ordinary copper telephone wires, the Model 1082 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](http://www.patton.com) for more information.



## 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
<b>Rates</b>	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
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	1082/144/I/xx Up to 144 kbps (Ethernet)	1082/144/C/xx Up to 144 kbps sync; 0-38.4 kbps async	1082/144/D/xx Up to 144 kbps sync; 0-38.4 kbps async	
<b>Clocking</b>	Internal or Receive Recover Clocking			
<b>Line Coding</b>	2B1Q line code			
<b>Line Interface</b>	RJ-45; Two-wire (single twisted pair)			
<b>Management</b>	DIP switch or SNMP at the remote unit			
<b>Front Panel Indicators</b>	LEDs for DSL link, transmit/receive, no signal, loop test errors, and test mode indication			
<b>Power Supply</b>	External wall mount power supply with universal 90-260 VAC input or 48 VDC input			
<b>Compliance</b>	FCC Part 15A, CE Mark, EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC			
<b>Environment</b>	Operating Temperature: 0-50°C; Humidity: 5-90%, non-condensing			
<b>Dimensions</b>	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)

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