## Proscend. 5099B Series SHDSL.bis Descriptions

**Proscend 5099B** series 2-Wire/4-Wire SHDSL.bis NTU is a telecommunication product designed for carriers and SME users. The standalone modems offer a variety of choices for data interfaces to meet different connection needs. **Proscend 5099B** series features E1/T1, Serial and Ethernet interfaces, allowing connection to different DTE types. When equipped with multiple interfaces, the standalone SHDSL.bis NTU combines user traffic over the SHDSL link. Available DTE combinations include E1+V.35/X.21, T1+V.35/X.21, E1+Ethernet, T1+Ethernet and V.35/X.21+Ethernet that can work simultaneously to share the DSL bandwidth.

The SHDSL.bis NTU supports two different connectors for G.703 E1 application that link to TDM service either by balanced  $120\Omega$  RJ45 jack or unbalanced  $75\Omega$  dual BNCs with bit rates from 64kbps to 2.048Mbps. For T1 connection, the SHDSL.bis NTU offers balanced  $100\Omega$  RJ45 Jack to carry bit rates from 64Kbps to 1.544Mbps.

As a V.35 interface application, it links to high-speed TDM services by a DB25 interface, which can work as V.35/RS-530 or V.36/X.21 (factory setting) connection. The data rate of DB25 interface is up to 5.696Mbps for one pair of copper wires and 8.192Mbps for two pairs of copper wires.

For Ethernet interface application, the SHDSL.bis NTU supports 10/100Mbps auto-detected Fast Ethernet with a RJ45 connector, and provides customer premise with LAN to highspeed TDM services. The data rate of LAN interface is up to 5.696Mbps for one pair of copper wires and 8.192Mbps for two pairs of copper wires.

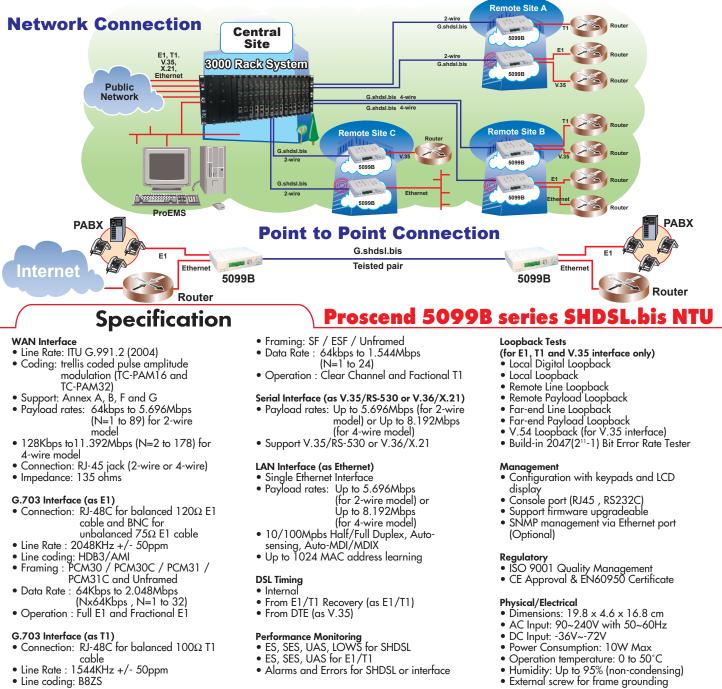
> The SHDSL.bis NTU can be configured and managed via EOC, or menudriven VT100 compatible Asynchronous Terminal Interface, either locally or remotely. The SHDSL.bis NTU provides the capability that identifies the maximum line rate supported by the copper loop. This powerful automatic configuration capability makes installation and service provisioning simple and painless. Furthermore it provides flexible manually setting of the maximum NTU speed at different levels for different customer-tailored service offerings.



- Standard ITU G.991.2 (2004) supports improvement on reach, speed and interoperability in contrast to conventional G.shdsl devices
- Fast and cost-effective services as voices or TDM leased line services or LAN
- Efficient usage of single wire pair on existing copper loop infrastructures
- Support multiple DTE interfaces working simultaneously on back-to-back connection.
- Auto rate installation maximizes data rate based on loop conditions
- Wetting current sink to protect SHDSL.bis line
- Local management interface with LCD display
- Remote line loopback
- SHDSL.bis Line performance monitoring (data rate and SNR)
- Raw and per time interval statistics
- Bandwidth guaranteed transmission equipment



SHDSL NTU



• Line coding: B8ZS

## **Ordering Information**

## Single Interface models

## Multi Interface models

Interface	2-wire	4-wire	Interface	2-wire	4-wire
	5099B-AC/2W/E1	5099B-AC/4W/E1		5099B-AC/2W/E1/T1	5099B-AC/4W/E1/T1
E1	5099B-DC/2W/E1	5099B-DC/4W/E1	E1+T1	5099B-DC/2W/E1/T1	5099B-DC/4W/E1/T1
	5099B-DA/2W/E1	5099B-DA/4W/E1		5099B-DA/2W/E1/T1	5099B-DA/4W/E1/T1
	5099B-AC/2W/SER	5099B-AC/4W/SER		5099B-AC/2W/E1/SER/ETH	5099B-AC/4W/E1/SER/ETH
Serial	5099B-DC/2W/SER	5099B-DC/4W/SER	E1+Serial+Ethernet	5099B-DC/2W/E1/SER/ETH	5099B-DC/4W/E1/SER/ETH
	5099B-DA/2W/SER	5099B-DA/4W/SER		5099B-DA/2W/E1/SER/ETH	5099B-DA/4W/E1/SER/ETH
	5099B-AC/2W/ETH	5099B-AC/4W/ETH		5099B-AC/2W/E1/T1/SER/ETH	5099B-AC/4W/E1/T1/SER/ETH
Ethernet	5099B-DC/2W/ETH	5099B-DC/4W/ETH	E1+T1+Serial+Ethernet	5099B-DC/2W/E1/T1/SER/ETH	5099B-DC/4W/E1/T1/SER/ETH
	5099B-DA/2W/ETH	5099B-DA/4W/ETH		5099B-DA/2W/E1/T1/SER/ETH	5099B-DA/4W/E1/T1/SER/ETH
		Example: 5099B-AC/4W			
Power – Spec	cify power supply typ <b>e</b>	Line – Specify line interface	Interface – Specity DTE int	ertace types	
AC for 90 ~ 240 VAC DC for -36 ~ -72 VDC			E1 for E1 interface only E1/T1 for E1/T1 dual interface SER for V.35/X.21 interface only E1/SER/ETH for E1 + V.35/X.21 + Ethernet multi-interface		

**DA** for DC + AC

E1T1/SER/ETH for E1/T1 + V.35/X.21 + Ethernet multi-interface

nd Communications Inc.

\*Features and specifications are subject to change without notice

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