

Proscend® 5000 Series SHDSL NTU

DESCRIPTION

The **Proscend 5000** series SHDSL NTU, offers two different ways to connect customers to high-speed TDM services, either with a G.703, or with a multi-protocol serial DTE port. The multi-protocol serial DTE port can be configured as a V.35, X.21 or V.36 connection. The G.703 interface will carry 2.048Mbps/1.544Mbps*, and the multi-protocol serial DTE port transfers data up to 2304kbps. The **Proscend 5000** can be configured and managed via EOC, or menu-driven VT100 compatible Asynchronous Terminal Interface, either locally or remotely.

Proscend 5000 is equipped with an auto rate 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. Further flexibility is provided in the ability to manually set the maximum NTU speed at different levels for different customer-tailored service offerings, even though the line will run faster.

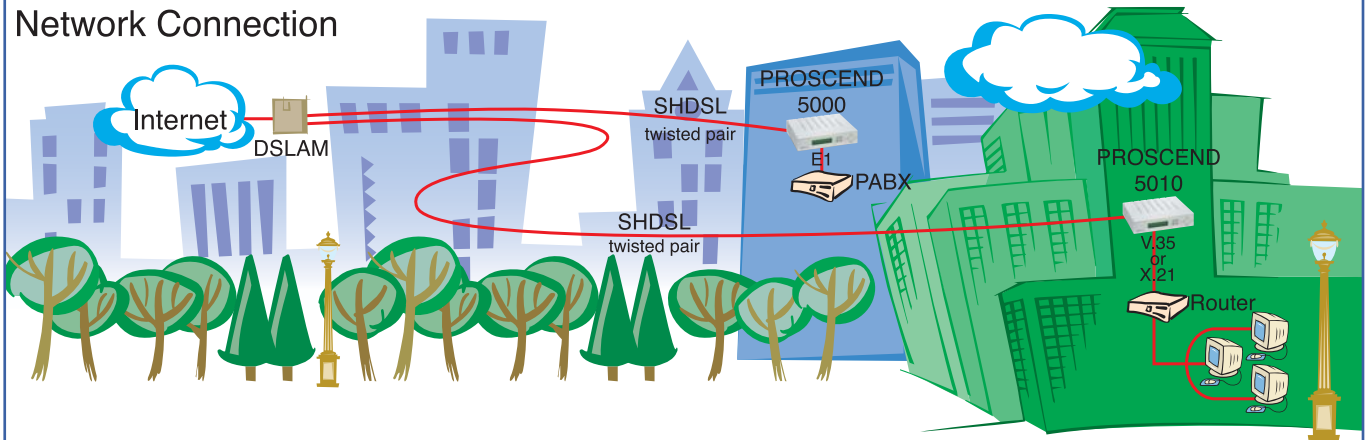
FEATURES

- *Standard G.shdsl (ITU G.991.2) supports for improved reach/speed and greater interoperability*
- *Fast and cost-effective provisioning of traditional frame relay (FR or T-HDLC) or TDM leased line services*
- *User existing copper loop infrastructures*
- *Can operate back to back connection*
- *Efficient single wire pair usage*
- *Up to 2.3Mbps symmetric service bit rate*
- *Auto rate installation maximizes data rate based on loop conditions*
- *Local management interface with LCD display*
- *Remote line loopback*
- *SHDSL Line performance monitoring*
- *Raw and per time interval statistics*
- *Bandwidth guarantee transmission equipment*

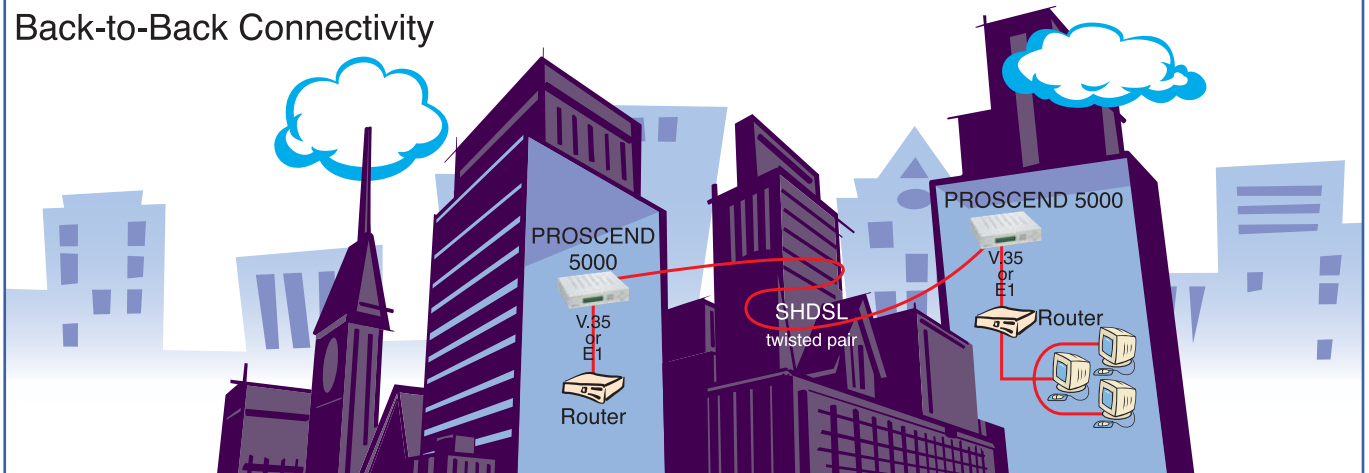


PROSCEND® 5000 Series SHDSL NTU

Network Connection



Back-to-Back Connectivity



SPECIFICATIONS

Network Interface

- Line Rate: SHDSL per ITU G.991.2
- Coding: Trellis coded pulse amplitude modulation
- Support: ANSI (Annex A) and ETSI (Annex B)
- Payload rates: 192kbps to 2.304Mbps
N x 64kbps (N=3 to 36)
- Connection: RJ-48 jack (2-wire)

Framing

- G.703/G.704
- CRC 4 enable/disable
- Unframed
- Framed

DSL Timing

- Network
- Internal
- Loop

DTE Interface (Model 5010)

- Bit Rate: 64 kbps to 2.304Mbps N x 64 kbps (N=1 to 36)
- DB-25 Female for V.35, X.21 and V.36

G.703 Interface (Model 5000)

- RJ-48C for E1/T1*
- BNC for E1

Performance Monitoring

- ES, SES, UAS, Alarms, Errors for E1/T1*, SHDSL
- Threshold Crossing Notification

Loopback Tests

- Local Loopback
- Digital Loopback
- Remote Loopback
- V.54 Loopback
- Build in 2¹¹ - 1 bit tester

Management

- Configuration with keypad and LCD display
- Console port
- Support firmware upgradeable

Physical/Electrical

- Dimensions: 19.5 x 4.8 x 16.8 cm
- Input: 90~240VAC with 50~60Hz or -48VDC
- Power Consumption: 10W Max
- Operation: 0 to 50°C
- Humidity: Up to 95% (non-condensing)

Optional Cables for Purchase

- V.35 cable: DB-25 (M) to V.35 (F)
- V.36 cable: DB-25 (M) to V.36 (F)
- X.21 cable: DB-25 (M) to X.21 (F)

* Feature will be implemented or optional.

Specifications are subject to change without notice.

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