



eToAccess - G.SHDSL TDM NTU Model : GH5010/GH5000

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G.SHDSL TDM NTU Description

The eTo GH5000 series G.SHDSL NTU offers two different ways to connect customers to high-speed TDM service ,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 2.048 Mbps /1.544Mbps ,and The multi-protocol serial DTE port transfers data up to 2304Kbps. The eTo GH5000 can be configured via EOC, or menu-driven VT100 compatible Asynchronous Terminal Interface, either locally or remotely.



G.SHDSL TDM NTU

eTo GH5000 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.

G.SHDSL TDM NTU Feature

- Standard g.shdsl (ITU G.991.2) support 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 base 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

G.SHDSL TDM NTU Specification

Network interface

- Line Rate : SHDSL per ITU G.991.2
- Coding : Trellis code 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

G.SHDSL TDM NTU Specification

DSL Timing

- Network
- Internal
- Loop

DTE Interface (Model 5010)

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

G.703 Interface (Model 5000)

- RJ48C for E1/T1 *
- BNC for E1

Performance Monitoring

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

Loopback Tests

- Local Loop back
- 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
- Input : 90 -240 VAC with 50 ~60Hz or - 48 VDC
- Power consumption : 10W Max
- Operation : 0 to 50 Degree 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)