

CPE Solution G.SHDSL Modem Family E1/V.35/Ethernet SHDSL Modem



Features

- 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
- Use existing copper loop infrastructures
- Can operate in back to back configurations
- Efficient single wire pair usage
- Up to 2.048Mbps symmetrical service bit rate
- Adaptive rate installation maximizes data rate based on loop conditions
- Local management interface with LCD display
- Remote loopback
- SHDSL Line performance monitoring
- Raw and time stamped statistics
- Bandwidth guarantee transmission equipment

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 (unframed / framed)
- CRC 4 enable/disable

DSL Timing

- Network (Recovery) / Internal / DTE

G.703 Interface

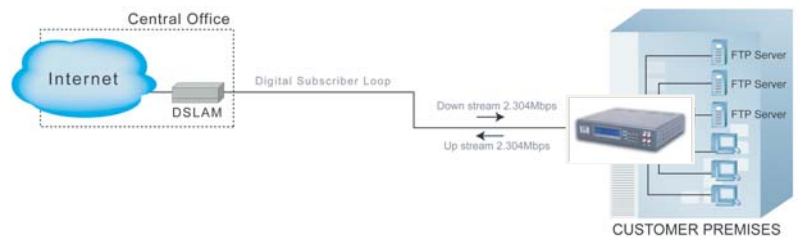
- RJ-48C for E1 (120 ohms) & BNC for E1 (75 ohms)

Ordering Information

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| ■ SHDTU03-E1/2T-AC | Standalone G.SHDSL Modem with G.703 E1 interface, LCD panel & AC Type. |
| ■ SHDTU03-E1/2T-DC | Standalone G.SHDSL Modem with G.703 E1 interface, LCD panel & DC Type. |
| ■ SHDTU03-V35/2T-AC | Standalone G.SHDSL Modem with G.703 V.35 interface, LCD panel & AC Type with DB25 Male to MB34 Female Cable. |
| ■ SHDTU03-V35/2T-DC | Standalone G.SHDSL Modem with G.703 V.35 interface, LCD panel & DC Type with DB25 Male to MB34 Female Cable. |
| ■ SHDTU03-X21/2T-AC | Standalone G.SHDSL Modem with G.703 X.21 interface, LCD panel & AC Type with DB25 Male to DB15 Female Cable. |
| ■ SHDTU03-X21/2T-DC | Standalone G.SHDSL Modem with G.703 X.21 interface, LCD panel & DC Type with DB25 Male to DB15 Female Cable. |
| ■ SHDTU03-449/2T-AC | Standalone G.SHDSL Modem with G.703 449 interface, LCD panel & AC Type with DB25 Male to DB37 Female Cable. |
| ■ SHDTU03-449/2T-DC | Standalone G.SHDSL Modem with G.703 449 interface, LCD panel & DC Type with DB25 Male to DB37 Female Cable. |
| ■ SHDTU03-530/2T-AC | Standalone G.SHDSL Modem with G.703 530 interface, LCD panel & AC Type with DB25 Male to DB25 Female Cable. |
| ■ SHDTU03-530/2T-DC | Standalone G.SHDSL Modem with G.703 530 interface, LCD panel & DC Type with DB25 Male to DB25 Female Cable. |
| ■ SHDTU03-ET100/2T-AC | Standalone G.SHDSL Modem with 10/100Base-T interface, LCD panel & AC Type. |
| ■ SHDTU03-ET100/2T-DC | Standalone G.SHDSL Modem with 10/100Base-T interface, LCD panel & DC Type. |

The SHDTU03-E1 connects customers to high-speed TDM services. With its G.703 interface, the SHDTU03 E1 will carry data at up to 2.048Mbps(E1). The SHDTU03 E1 can be configured and managed via a menu-driven VT-100 compatible Asynchronous Terminal Interface.

SHDTU03-E1 is equipped with an adaptive 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 by the ability to manually set the maximum speed at different levels for different customer-tailored service offerings.



Loopback Tests

- Local Loopback / Digital Loopback
- Remote Loopback / Built-in bit error rate tester

Management

- Configuration with keypad and LCD display & console craft port
- Supports firmware upgrade

Physical/Electrical

- Dimensions: 19.5 x 4.8 x 16.8 cm
- Input: 110/220VAC with 50~60Hz or -48VDC
- Power Consumption: 10W Max
- Operation: 0 to 50°C
- Humidity: Up to 95% (non-condensing)

Performance Monitoring

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