ACC 3010 SHDSL DSU

SHDSL DSU over ATM

Overview

Based on the ITU-T G.991.2 G.SHDSL standard, **ACC 3010** is a single-pair High-speed
Digital Subscriber Line (SHDSL) product
series and provides a Frame relay and ATM
inter-working transport infrastructure for Public
Network WAN access, high-speed Internet access, LAN-to-LAN connectivity, and other
high-speed data access applications. It is ideal for Network Service Providers who wish to
deliver high-speed data transmissions to their customers. The WAN interface provides
programmable symmetrical rate from 72Kbps to 2312Kbps by adapting to the DSU application.
The SHDSL interface of **ACC 3010** can be configured to interoperate with SHDSL DSLAM or to fit
Point-to-Point data transmission applications by flexible COE/CPE configurations. The Data
interface of **ACC 3010** can be configured to connect with existing Frame relay routers.

Features
▌ High speed symmetrical data transmission on a single twisted copper pair wire
▌ SHDSL Line Code: PAM
▌ Data port with multi-protocol support V.35/RS530, X.21
▌ Provides FRF.5 Frame Relay/ATM Network Inter-working function
▌ Provides FRF.8 Frame Relay/ATM PVC Service Inter-working function
▌ Nx64Kbps rate configurable to prolong the loop reach.
▌ High performance, simple operation, low power consumption
▌ Compatible and interoperable with major Central Office side symmetric DSL

DSLAM
▌ Local OAM&P via RS-232 Craft port or by telnet through auto-negotiation of 10/100
BaseT port
▌ Provides loop-back function for easy maintenance

Specifications

Hardware
▌ Multi-protocol Interface supports V.35/RS530, X.21
• Connector – Female DB25 with optional converter cable for various interfaces
• FRF.5 Frame Relay/ATM Network Inter-working function
• FRF.8 Frame Relay/ATM PVC Service Inter-working function
• Data rate: 64~2048 kbps
• Timing: Internal, external
▌ WAN SHDSL Line Interface
• Line Rate: 72Kbps to 2312Kbps
• Line Code: PAM
• Line Impedance: 135 Ω
• Connection Loops: One Pair (2-wire)
• Connector: RJ-11
▌ Indicators
• PWR – Green LED, indicates power status
• TX – Green/Red LED, Steady Green: data link at Multi-protocol, Flashing when
transmitting data, Red when losing data link if handshaking is enabled.
• RX – Green/Red LED, Steady Green: data link at Multi-protocol, Flashing when
receiving data, Red when losing data link if handshaking is enabled.
• WAN – Green, DSL data link. Green when synchronized. Flashing when training.
• ALM – Red LED, DSL alarm. Red when losing sync or data error.
▌ Environment
• Operation Temperature: 0° C ~ 45° C
• Operation Humidity: 5% ~ 95%
• Storage Temperature: -20 ~ +85° C
• Storage Humidity: 5%~95%
  Physical Dimensions
• (W x D x H) 220mm x 169mm x 40mm
  Power

- AC Adapter: Input 110VAC/60Hz or 220 VAC/50Hz; Output 12VDC 1A
- Power Consumption: Less than 10 Watts
  Certificates
- EMC: FCC Part15 Class B, CE EN300 386
- Safety: CB IEC60950

Software

Configuration and Network Management
- Console VT-100 emulation
- Interface: RS232 with DB9 connector
- Telnet through the IEEE 802.3 Ethernet 10/100BaseT LAN port with RJ-45 connector.
- TFTP Server for software upgrade through LAN port
- Local loop-back and Data interface loop-back