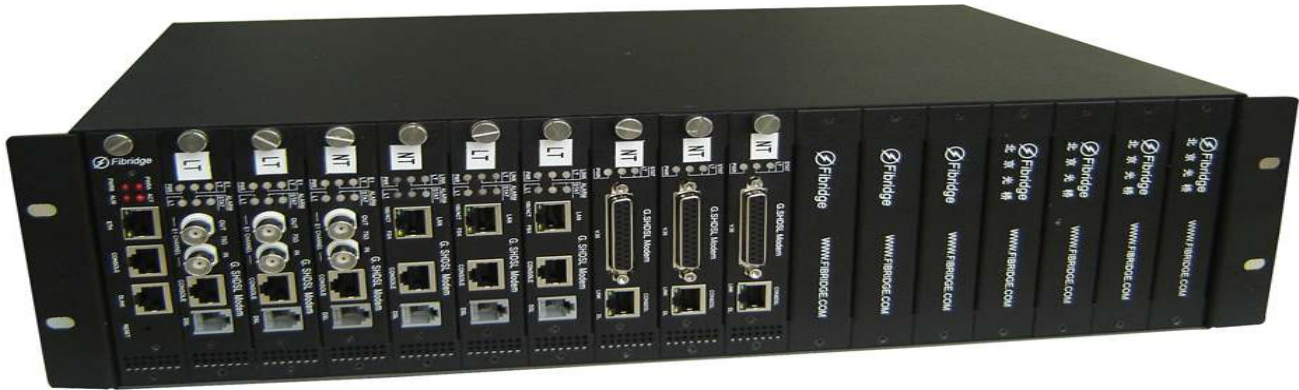


G.SHDSL Modem Rack



G.SHDSL Modem Standalone



1. Overview

FBDSL1000 series G.SHDSL is a high quality and good performance SHDSL device with standard E1, V.35 or 10/100Mbps Ethernet interfaces integrated, you can make any choice of the three interfaces in one device. Its transmission distance is extended to 4km by 1-pair twist pair at 2M speed. FBDSL1000 is designed with 16TC-PAM code according to ITU-T G.991.2 and ITU-T G.994.1, which can improve the transmission performance and economize resource. As the new generation product, FBDSL1000 has not only the technical advantage but also very simple installation and maintenance procedure at the same time. It is the best solution for the customers.

2. Features

Compatible with G.991.2 and G.SHDSL.bis protocol

2 wires or 4 wires optional

The distance can extend to 3.7-4km with 0.4mm (AWG26) by the speed under 2Mbps for one-pair device and 4~4.5Km for two-pair device

Support ATM ALL5, NAT, PPPoA, PPPoE, RIP protocol *

Support up to 5.69Mbps at 2-wire cable or 11.38Mbps at 4-wire cable when set as G.SHDSL.bis protocol

10/100Base-T interface accordant with standard IEEE802.3 and 1Mbytes buffer inserted.

MAC address list inserted and 4096 MAC address available.

E1 interface accordant with standards as ITU-TG.703、G.823 and G.742.

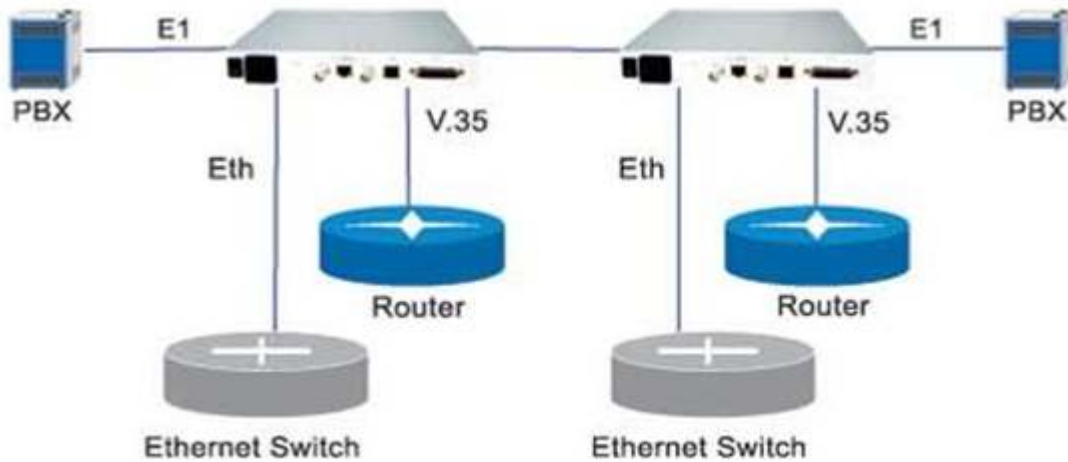
DSL speed can be set manually or auto-detect by the DSL line

Easy to install and operate. Working preferences by DIP switch and software control.

AC110~240V or DC48V power supply optional.

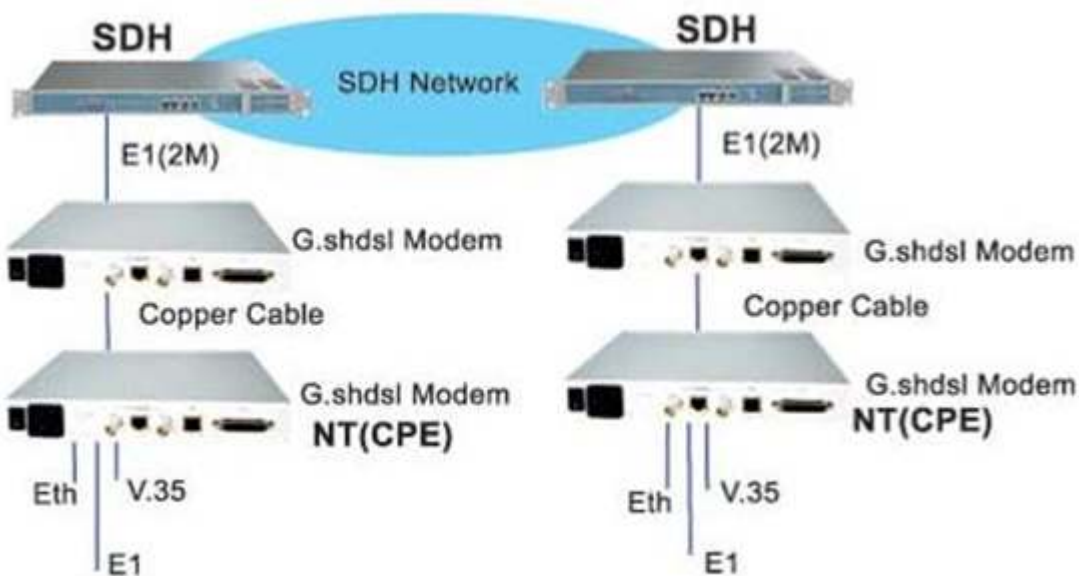
3. Application

3.1. Point to point application



Note: User can select one or two or all of the E1 Ethernet and V.35 service to transmit through the copper twist pair cable.

3.2. Work with Current SDH/PDH network



Note: Use the E1 ports provided by the SDH or PDH network, user can transmit Eth, E1 and V.35 to the remote side. When use a SDH, the E1 device can select our G.shdsl product, the Module Card.

4. Specification

4.1. DSL

Connector: 4 pins terminal
 Line Code: TC-PAM
 Rate: 192Kbps ~ 2048Kbps
 Distance: 3.8Km Single Pair
 4.2Km Double Pairs
 Notice: AWG26 (0.4mm)

The following port types describe all the ports in full-configured G.SHDSL Standalone products. E1 Ethernet and V.35 ports are optional, according to user's real application. To get detail part number, please refer to Order Information. The E1 Module Card only provides E1 port..

4.2.E1

Compliant with ITU-T G.703, G.704, G.823

Line Code: HDB3

Connector: 75ohm/BNC, 120ohm/RJ45

Framed and Unframed is optional

4.3.Ethernet

Compliant with IEEE802.3, IEEE802.3u, IEEE802.3x

Connector: RJ45

10/100Mbps auto-sensing, Half/Full duplex auto detected

The Module Card doesn't provide this port.

Note: see 6.4 comments.

4.4.V.35

Rate : nx64kbps

Flow control: User define

Connector: DB25F

The Module Card doesn't provide this port.

Note: see 6.4 comments.

4.5.Management Port

Connector: RS232/DB9(for Standalone Products)

Connector CONSOLE/RJ45(for Module Card)

Setting timeslots, clocking source, alarms, E1/DSL loop back etc.

CLI interface, use hyper-terminal to management

4.6.Power

Standalone Products:

AC/DC optional

AC: 220V, 50Hz±5%, Waveform Distorting Rate<5%

DC: -40V~ -57V

Power Consumption < 10W

Module Card:

The power supply comes from the backboard in 4U Machine-Frame

DC: 15V/6A

Power consumption < 10W

4.7.Environment

Operating Environment

Temperature: 0~+50°C

Humidity: 0~90°C, no condensing

Storage Environment

Temperature: -25~+70°C

Humidity: 0~95%, no condensing

5、 Order Information

Model:

FBDSL1000 E1, V.35 or 10/100Mbps port, one-pair or two-pair G.SHDSL Modem

P/N (Part Number):

F11-G13 One pair wire (2-wire, 2 tel), 10/100Mbps Ethernet Interface, Standalone

F11-G15 One pair wire (2-wire, 2 tel) , E1 Interface, Standalone

F11-G16 One pair wire (2-wire, 2 tel), V.35 interface, Standalone

F11-G1315 One pair wire (2-wire, 2 tel), 10/100Mbps Ethernet & E1 port, Standalone

F11-G1316 One pair wire (2-wire, 2 tel), 10/100Mbps Ethernet & V.35 port, Standalone

F11-G1516 One pair wire (2-wire, 2 tel), 10/100Mbps Ethernet & E1 port, Standalone
F11-G131516 One pair wire (2-wire, 2 tel), 10/100Mbps Ethernet & E1 & V.35 port,
Standalone

Not : NT ve LT modelleri karşılıklı olarak kullanılır. (Network ve müşteri tarafı)

Kampüs networklerde kullanılan G.SHDSL uygulamalarını incelemek için aşağıdaki linke tıklayın.

<http://www.telcolink.com/downloads/kampus-network.pdf>

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