

## FBDSL1000 Series G.SHDSL Modem

10/100Mbps Ethernet、V.35 or E1 interface, 2 wires or 4 wires Optional

### 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 copper or 6Km by 2-pair wire. 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, F11-G2-XX 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.

### Features

- New generation SHDSL technology, maximal transmission speed 4.6Mbps.
- One-pair wire or two-pair wire optional.
- Flexible data ports. Support dual data port in one device.
- The distance can extend to 4~5km with 0.4mm (AWG26) by the speed under 2Mbps for one-pair device and 5~6Km for two-pair device
- 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 is modifiable
- Easy to install and operate. Working preferences by DIP switch and software control.
- Using 16TC-PAM Code to reduce ISI and to improve the transmission performance.
- AC110~240V or DC48V power supply optional.

## 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, 10/100Mbps Ethernet Interface, Standalone  
**F11-G15** One pair wire, E1 Interface, Standalone  
**F11-G16** one pair wire, V.35 interface, Standalone  
**F11-G1315** One pair wire, 10/100Mbps Ethernet & E1 port, Standalone  
**F11-G1316** One pair wire, 10/100Mbps Ethernet & V.35 port, Standalone  
**F11-G1516** One pair wire, 10/100Mbps Ethernet & E1 port, Standalone  
**F11-G131516** One pair wire, 10/100Mbps Ethernet & E1 & V.35 port, Standalone

*For Dual pair wire, add the suffix of '4'.*

## Specification

### Line Interface

Rate: 192Kbps~ 4640Kbps.

Impedance: 135  $\Omega$

Code: 16TC—PAM

### Ethernet

Rate: 10/100Mbps

Standard: IEEE802.3、IEEE802.3u

Frame Buffer: 1MBytes

Capacity of MAC address: 4096

### E1 Interface

Speed: Framed/Unframed

Code: HDB3

Impedance: Unbalance 75  $\Omega$ 、Balance 120  $\Omega$

Standard: ITU-TG.703、G.704、G.823 and G.742

### V.35 Interface

Rate: nx64kbps

Rate set: DIP switch

Flow control: User define

Interface: DB25F

### Power

AC: 220VAC

DC: -48V $\pm$ 25%

Power $\leq$ 12W

### Size

262 (W) x 163(D) x 36(H)mm

### Working Condition

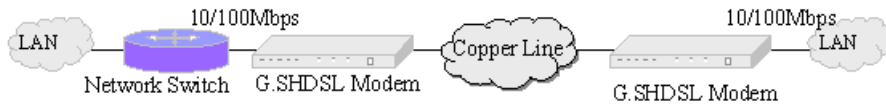
Temperature: 0 $^{\circ}$ C~55 $^{\circ}$ C

Humidity: 0%~95%

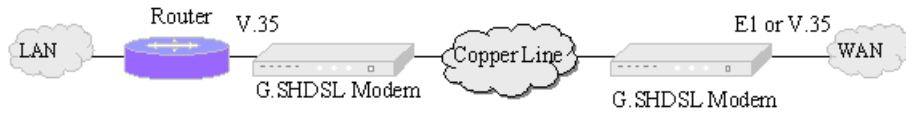
### Weight

1000g

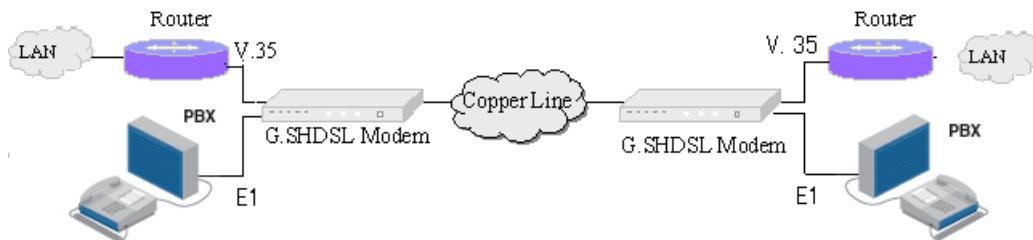
## Typical Application



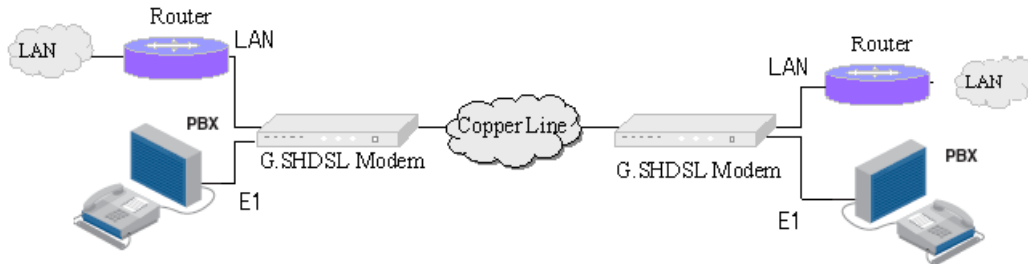
10/100Mbps Ethernet G.SHDSL Modem



E1 or V.35 G.SHDSL Modem



Dual Port(E1 and V.35) G.SHDSL Modem



Dual Port(E1 and Ethernet) G.SHDSL Modem