



## G.SHDSL LAN Extender RealConnect-1

### Overview

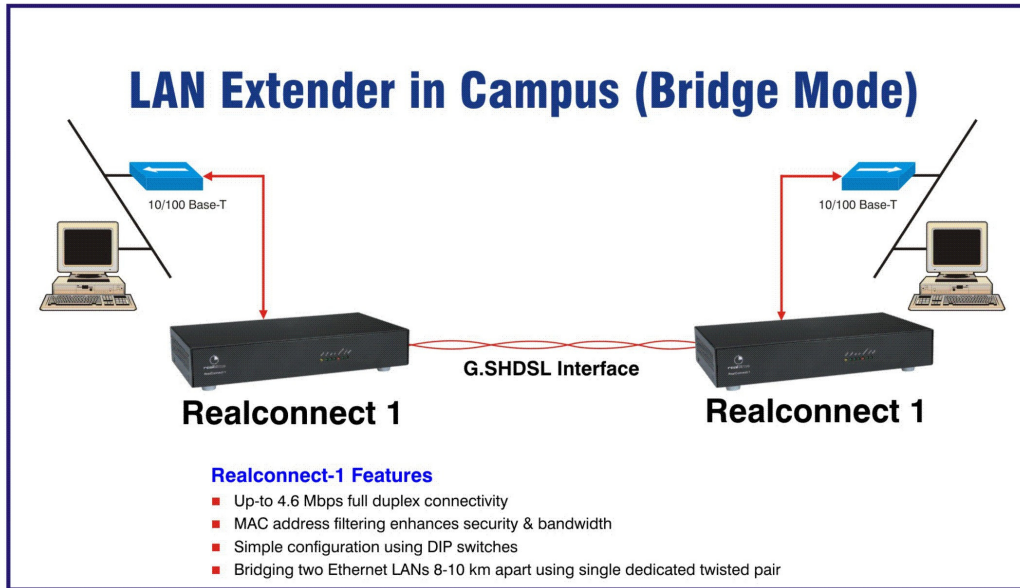
**RealConnect - 1** is a powerful, high performance G.SHDSL Modem that integrates isolated LANs in a campus like environment, using commonly available telephone cables. RealConnect delivers configurable line rates up to 4.6 MB (symmetrical) over a distance of 5 Km. its incremental transmissions speed (256K to 4.6MB) allows service providers to adjust for traffic. A complex ASIC powered system uses G.991.2 G.SHDSL technology to provide 4.6 Mbps full duplex data rate.



### Applications

The Real Connect establishes link by the installation of two **RealConnect-1** one at either end. Connect Ethernet segments at either end to RJ-45 connector & twisted pair cable to RJ-11 connector. RealConnect automatically creates bridge between both the units, learns the MAC addresses on either side & filters the traffic thereby enhancing security & bandwidth.

## APPLICATION DIAGRAM



- Bridging Two LAN Networks
- Remote LAN Extension for Warehouse and Surveillance
- Broadband Service Extension
- Extension of Triple-play Services



## G.SHDSL LAN Extender RealConnect-1

### Key Features

- Up-to 4.6 Mbps full duplex connectivity
- Bridges two Ethernet LANs 8-10 km apart using single dedicated twisted copper pair
- Simple Configuration using DIP switches
- Plug & play
- Operating system & network software independent
- Fully compatible with Ethernet & IEEE 802.3 standards
- MAC address filtering enhances security & bandwidth

### Specifications

Model	RealConnect - 1
<b>Product</b>	G.SHDSL Bridge
<b>SHDSL Compliance</b>	<ul style="list-style-type: none"> <li>▪ Comply to ITU-T G.991.2 (Annex A, Annex B) G. SHDSL</li> <li>▪ Data Rate: N x 64Kbps N=0~72</li> <li>▪ Impedance: 135 ohms</li> <li>▪ Annex obtained from CPE side, CO side auto adjust</li> <li>▪ Copper cable: 2-wire</li> </ul>
<b>Ethernet</b>	IEEE 802.3 & IEEE 802.3x Flow control
<b>Auto MDIX</b>	Yes
<b>MAC address Learning/Aging /filtering</b>	Yes
<b>Power supply</b>	230 V A.C nominal (160V to 240V)
<b>Physical Dimensions</b>	LXWXH (245mmx135mmx45mm)
<b>Operating environment</b>	-15 ~55 degree C, 5%~90%RH

### Ordering Information

Model No	Description
Real Connect-1	Single Ethernet Port G.SHDSL LAN Extender

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