> *data*
> *voice*
> *video*

The MXL-2300 is an

office bridge/router

that connects a local

Ethernet network or

a single PC to a

high-speed

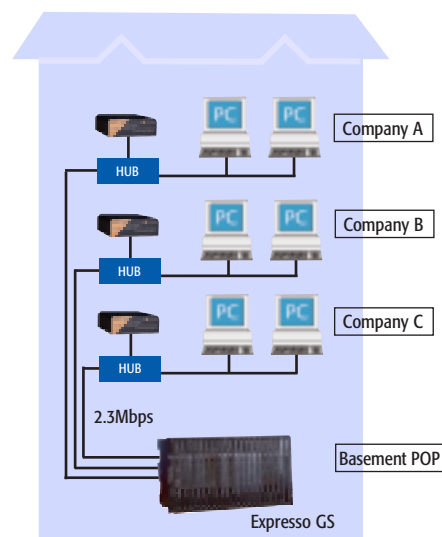*SDSL line.*

MXL-2300™
SDSL Bridge / Router

The MXL-2300™

One of the CPE component of Tut Systems' Commercial offering, the MXL-2300 is a office bridge/router connects a local Ethernet network or a single PC to a high-speed SDSL line. With this high-speed communications device, service providers can offer small or medium-sized businesses basic tiered Internet access and/or create a virtual local area network (VLAN) between different offices on the same property.

Tiered Services

Using SmarWire™ technology the transmission rate is set automatically on initialization to the maximum rate supported by the line. The subscriber's service rate is set by the service provider and may be changed at any time through the network management system. This allows service providers to offer services at one rate and sell higher bandwidth services as their customers' requirements grow.

Virtual Local Area Networks VLANs

VLAN support also allows service providers to offer value added services by creating virtual, private network connections between different offices of the same company on the same property.

TUT SYSTEMS®

Transforming Broadband into Services

Features & Benefits

- Centrally managed from the Access Concentrator

- A learning bridge and IP router ensures maximum use of the available bandwidth

- A DHCP relay agent facilitates dynamic IP address assignment

- Centralized SNMP proxy agent for modems is provided in the Expresso GS Access Concentrator

- Remote software upgrade capability eliminates the need for field upgrades

- Supports back-to-back configuration for decentralized campus applications

- Centralized SNMP proxy agent for modems is provided in the Expresso GS Access Concentrator
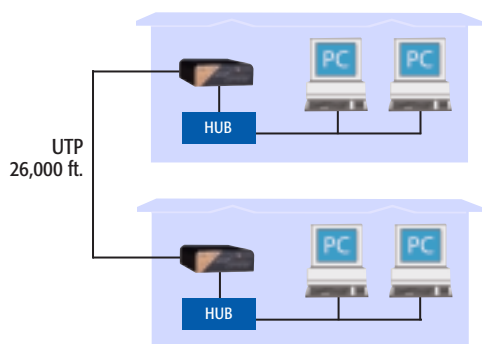
Hardware Specifications

DSL Interface:	RJ-11
LAN Interface:	10Base-T Ethernet port connects directly to a hub or PC
Console Port:	RS-232 (RJ-45) interface
Front Panel LEDs:	Power, DSL Tx, Status, DSL link, 8 link speed LEDs
Rear Panel LEDs:	One for each supported speed 10Base-T link
Power Consumption:	5 watts
Power Supply Voltage:	120/240 VAC; 50/60 Hz wall mount
Temperature:	Operating - -5C to +55C
Storage:	-40C to +70C
Relative Humidity:	5% to 90% (non-condensing)
Dimensions:	1" x 4" x 6.5" (2.5cm x 10.2cm x 26.5cm)
Weight:	1.34 lbs. (0.61kg)
Certifications:	FCC part 15, Class B, CSA UL1950 CE, EN60950

Software Specifications

Management Interfaces:	Craft port, Telnet, SNMP v1 proxy
Upgrades:	Field upgradeable via the GS chassis management card
Bridging:	Learning Bridge (IEEE802.1d)
IP Functionality:	Static routing table (up to 8 entries) DHCP relay agent
DSL Features:	Smart Rate Adaption 2B1Q line coding

LAN-to-LAN Connectivity

The MXL-2300 can extend an Ethernet network to reach remote LANs and workstations in a commercial campus environment.

Data Rate (Kbps)	Maximum Reach (24 AWG) (Distance in ft. (meters)
192	26,000 ft. (7,800 m)
256	25,500 ft. (7,590 m)
384	22,500 ft. (6,750 m)
576	20,200 ft. (6,060 m)
768	18,000 ft. (5,640 m)
1152	17,600 ft. (5.280 m)
1552	15,000 ft. (4,500 m)
2320	12,300 ft.(3,690 m)

TUT SYSTEMS®

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