

Multiple SDSL Pair - Ethernet Access Unit

SPEEDER LAN

Characteristics Benefits

- 2 Ethernet ports: 803.3, 10/100 Base TX, auto sense
- 2, 3 or 4 copper pairs, G.SDSL
- Ethernet bridge : filtering or transparent.
- Ethernet frame buffer : 1,280 Ethernet frames
- 1,000 Ethernet address memory
- Aggregation : 13.8 MBPS on 3 copper pairs
- Duo : connects 2 remote sites to 2 different LAN accesses. Remote bridge is a CopperLan unit.
- Switch version : connects 3 remote sites to the LAN, on one port of a switch. The remote bridge is a CopperLan unit.
- Easy to operate : VT100 intuitive menus.
- Rich network management
- SNMP : supervision and TRAP
- Diagnostics et statistics
- Event log
- Industrial metallic enclosure
- Power supply : 110/230 Vac Mains, or 48 Vdc
- Rack mount card for AMS4/12/16 chassis



SDSL MULTIPLE PAIR ETHERNET BRIDGE

Speeder.Lan provides an Ethernet network access through high speed CAP SDSL link on classical copper pairs. This range of products is aimed at three different applications : a dual modem / bridge to connect 2 remote sites on two LAN access points, a DSL switch to connect 3 remote sites to a single LAN access point, and the aggregation of 2 to 4 pairs to connect two networks at a rate as high as 1 MBPS.

SpeederLan is based on the CAP SDSL standard. This standard provides best transmission performance on classical twisted pairs with an optimal immunity against line distortions and very high speed in symmetrical mode.



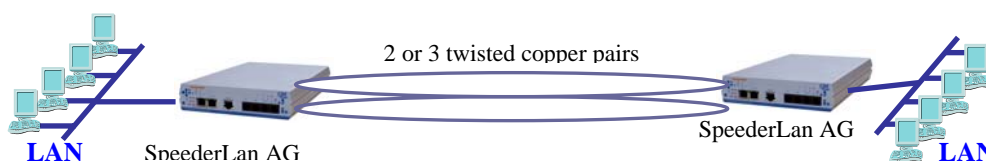
SpeederLan can be controlled from the Lan through Telnet or SNMP protocol with a graphical MIB. It provides a full set of diagnostics and an event log for a detailed operation monitoring.

SpeederLan fits perfectly customer's requirements thanks to its choices of packages as a stand alone device or a rack mount card for high density chassis, and a choice of AC and DC power supplies.

SpeederLan is part of a wide range of professional SHDSL, SDSL, VDSL products for network access through copper lines

SPEEDER LAN AG : AGREGATION 14 MBPS

High speed enterprise network interconnection through 2 or 3 SDSL link aggregation



SpeederLan AG provides a point to point connection through several aggregated SDSL links. It connects on 1 to twisted copper pairs and aggregates the data flow supported by each pair into a high speed trunk for the Ethernet application. It can thus offer a maximum speed of up to 13.8 MBPS. As well on very long lines does the SpeederLan reach an overall rate of 330 KBPS on 0.4 mm line over more than 8 km.

SpeederLan AG aggregation mode is based on a layer 2 HDLC algorithm which benefit is a sole negligible overhead compared to other solutions. This provides an higher throughput for the Ethernet applications, and the best user rate to line rate ratio.

SpeederLan AG manages faulty line conditions. It detects line drop outs and performs an automatic connection when good line quality is restored. SpeederLan provides an optimal Ethernet interconnection whatever the quality of the different lines.

SpeederLan AG let the user have a full control of the connection speed on each copper pair, or it can perform an automatic connection in evaluating the line quality.

SpeederLan provides a rich set of real time status and 24 hour statistics to monitor the line quality and the link performance on each pair.

Ethernet Access Unit
Multiple DSL Links
100 Base TX Ethernet Bridge

SpeederLan AG
 2 to 4 pairs aggregation
 Rate up to 14 MBPS

SpeederLan DU
 Independent Interconnection of
 Two Remote Site

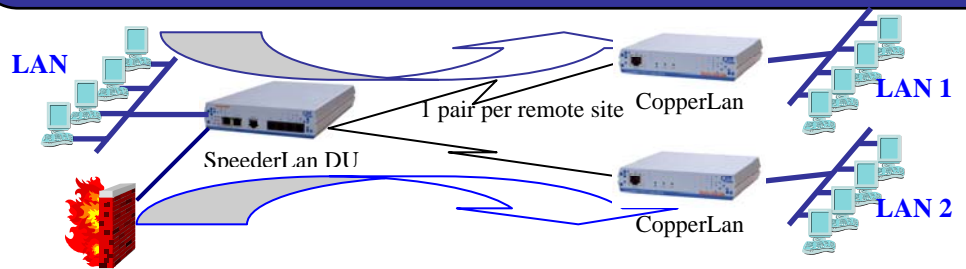
SpeederLan SW
 Centralized Interconnection of
 Three Remote Sites
 in Switch Mode



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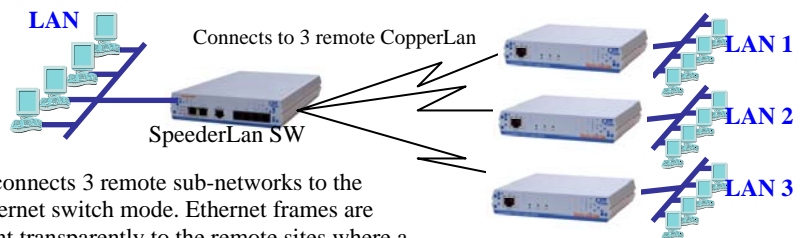
AG 14 MBPS Aggregation
 DU Dual Ethernet Bridge over DSL
 SW 3 Port Switch over DSL

SPEEDER LAN DU : DUAL DSL BRIDGE



SpeederLan DU behaves as two independent Ethernet bridges on two DSL links. Each channel carries data between a remote site and an Ethernet access point with a user controlled filtering mechanism. It is well suited for accessing a central site from DSL lines on a managed Ethernet switch with VLAN capability through transparent Ethernet bridge modems.

SPEEDER LAN SW : 3 PORT DSL SWITCH



SpeederLan SW connects 3 remote sub-networks to the central LAN in Ethernet switch mode. Ethernet frames are either filtered or sent transparently to the remote sites where a CopperLan is installed.

SPECIFICATIONS

Ethernet Interface

- 2 Ethernet ports, 802.3, 10/100 Base TX
- 10 / 100 MBPS auto sense
- RJ45 socket with Link and TX/RX Leds
- Ethernet bridge with automatic learning of 1,000 MAC addresses
- 1,280 Ethernet frame buffer
- Ethernet filtering can be enabled or disabled
- Statistics : 24 hour counters for sent and received frames, filtering information

Power Supply

- Mains 110-230 Vac, 50-60 Hz, IEC socket
- DC : 48 Vdc or 24/36V as an option, screw bloc
- Power : 10 W

General

- Size : 287 x 175 x 41 mm
- Weight : 3.4 kg
- Operating temperature : 0 to 45 °C
- Designed to comply with : EN 60950, EN 55022, EN 55024, FCC Part-15 (A)

SDSL Interface

- CAP SDSL, UIT-T G.991.1
- Operating mode : 1, 2 or 3 pairs
- Four RJ11 sockets
- Rate : 64 K to 13.8 MBPS
- Speed mode : automatic or user controlled connection mode

Management

- Local console port : AT commands, intuitive VT100 menus. RJ45 socket and DB9 cable.
- Diagnostics : Unix like network shell (ping)
- TCP-IP management : Telnet, FTP for firmware upgrade, SNMP and graphical MIB
- 24 hour statistics counters for line events, frame errors, and log of the last 40 critical events.
- Flash memory for further firmware enhancement

ORDERING INFORMATION

SpeederLan XX Y Z

Y : Power Supply and Packaging
 I Stand alone with 110-230 Vdc mains
 C Stand alone with 48 Vdc converter
 R16 Rack mount card for AMS4/16 chassis
 R12 Rack mount card for AMS12 chassis
 Z : Country

E = Europe U = USA

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