

# ***EtherLink II***

## **Next Generation Ethernet Modems**

### **Main Features**

- G.SHDSL.BIS and G.SHDSL multi-rate line coding
- Central Office ( IP DSLAM ) and CPE applications
- Support of IEEE 802.3AH – Ethernet First Mile
- Ethernet 10/100BT user interface
- Bridge functionality IEEE 802.1q
- VT100 configuration, Telnet and SNMP management
- Up to 48 ports in one shelf (CO side)
- 5,7 Mbps, 11,4 Mbps and 22,8 Mbps
- Long Distance transmission over 1, 2, 3 or 4 pair
- Ethernet Add Drop Repeater for 1 or 2 pair
- 19" Rack, Mini-rack chassis or DeskTop
- Easy software upgrade with flash ROM
- High Quality and Performance



### ***EtherLink II***

All models are protected against over voltage resulting out of line failures and lightning. If your route is longer than what the G.SHDSL.BIS standard allows, the modems falls back into the G.SHDSL operating mode. The same will appear with routes that do not meet quality needs of the extenders. Even with the G.SHDSL Standard a bandwidth of 2.3 Mbps is possible, thus making these new generation extenders operate at up to 30 kilometres depending on the quality, length and diameter of your wires.

Stable operation of the modems is ensured. Even with some of the wires failing when using the 4 or 8 wire modems the route is still operating with lower bandwidth. The 802.3ah Management makes it then possible to check the remote

**SPECIFICATIONS**

**Line code**

G.SHDSL.BIS and G.SHDSL multi-rate line coding

**Reach (0.4 mm), 5,7 Mbps**

2,4 km for G.SHDSL.bis

**Line rates**

- 1 pair 5.7 Mbps
- 2 pair 11.4 Mbps
- 4 pair 22.8 Mbps

**DSL/Line Connector**

- 1 x RJ45 for 1 pair operation
- 2 x RJ45 for 2 and 4 pair operation

**Monitor**

RS232 DB9F

**User Interfaces**

1x RJ45 for Ethernet 10/100BaseT.

**Bridging**

IEEE-802.1q, 802.3AH

**Management**

VT100, Telnet, HTTP, SNMP

**Electrical**

AC Adapter: Input 230VAC, 50/60Hz Output: 48VDC 1A

Safety: UL &CE, EMC/EMI, FCC

Surge: Meet IEC 1000-4-5 class 2

Reliability: MTBF > 250'000 Hours

**Over voltage Protection**

ITU-T Rec. K.20/K.21

**Physical dimensions**

Desk Top: 220mm x 160mm x 40mm / 0.5kg

Minirack: 220mm x 420mm x 55mm / 1.5kg

19" Rack -Card: 220mm x 260mm x 30mm / 0.5kg

**Environmental Specifications —**

Operating Temp. Range: -30° - + 75°C

Storage Temp. Range: -50° - + 75°C

**Order Instructions**

**DESKTOP (ETHERLINK II), Ethernet Bridge, VLAN, E1**



- SA-DT-ETHERLINK\_II-DSL-ETH
- SA-DT-ETHERLINK\_II-DSL-E1-ETH
- SA-DT-ETHERLINK\_II-2DSL-ETH
- SA-DT-ETHERLINK\_II-2DSL-2E1-ETH
- SA-DT-ETHERLINK\_II-4DSL-4E1-ETH

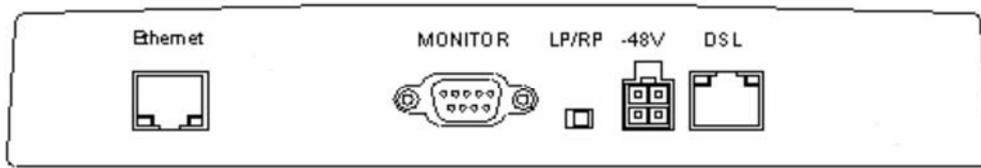
2 wire (5,7Mb)	4 wire (11,4Mb)	8 wire (22,8Mb)	1 E1	2 E1	IN64/RS232	Ethernet Bridge	Dual Pair Bonding	Triple Pair Bonding	Four Pair Bonding	Multi-Service	Point to Point	Point to Multipoint	48V-DC	Remotely powerable	Remote Power source	Telnet Management	Web Management	Telnet Management
■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

**RACK-CARDS (ETHERLINK II), Ethernet Bridge, VLAN, E1**

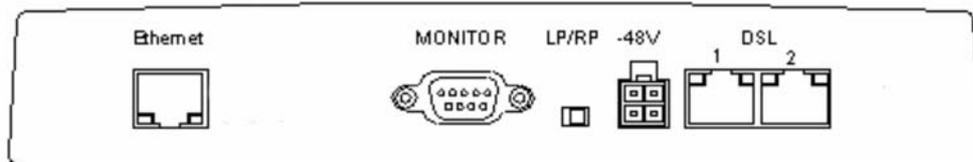


- SA-RC-ETHERLINK\_II-DSL-4ETH
- SA-RC-ETHERLINK\_II-DSL-E1-4ETH
- SA-RC-ETHERLINK\_II-2DSL-4ETH
- SA-RC-ETHERLINK\_II-2DSL-2E1-4ETH
- SA-RC-ETHERLINK\_II-4DSL-4ETH
- SA-RC-ETHERLINK\_II-4DSL-4E1-4ETH

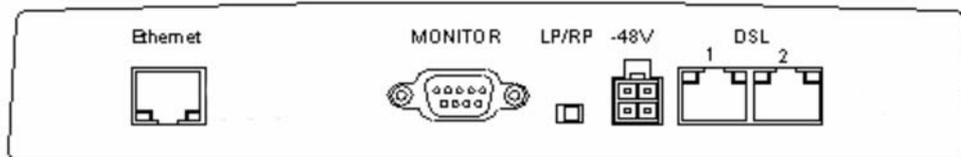
2 wire (5,7Mb)	4 wire (11,4Mb)	8 wire (17,1Mb)	8 wire (22,8Mb)	1 E1	2 E1	3 E1	4 E1	Ethernet Bridge	Dual Pair Bonding	Triple Pair Bonding	Four Pair Bonding	Multi-Service	Point to Point	Point to Multipoint	48V-DC	Remotely powerable	Remote Power source	Telnet Management	Web Management	Telnet Management
■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■



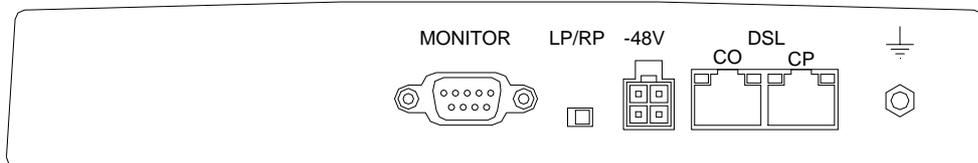
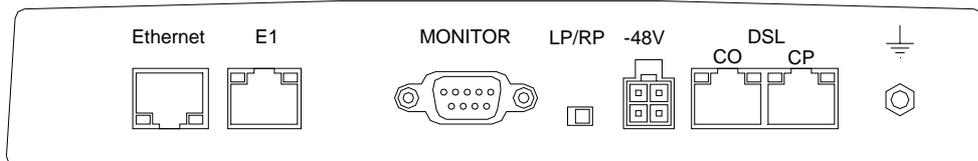
Etherlink II backplane 2-Wire 5-7mbps



Etherlink II backplane 4-Wire 11-4mbps



Etherlink II backplane 8-Wire 22-8mbps



EtherLink II Standalone regenerator