

2 and 4 Wire SHDSL

Up to 2.3Mbps

E1 / Nx64 / Ethernet

S-Access

S-Access TELCO-LINK - series

TDM Based SHDSL



Features

- 2 and 4 Wire SHDSL (TC-PAM16)
- Up to 2.3Mbps
- E1 (G.703/704, balanced/unbalanced)
- Nx64 (V.35, V.36, X.21, V.24)
- Ethernet Bridge (10/100BaseT)
- 4 or 8 Analog Voice Ports (FXS, FXO)
- Multi-Service Operation
- Point-to-Point and Point-to-Multipoint
- Console Port, Telnet, SNMP Management
- 48VDC Powered
- Remote Power Support
- Repeater/Regenerator Support

S-Access TELCO-LINK comprises a wide range of SHDSL modems targeted to meet both typical carrier applications as well as access network needs. S-Access TELCO-LINK modems are based on industrial components and manufactured according to highest quality standards providing additional value due to extended temperature range and high reliability.

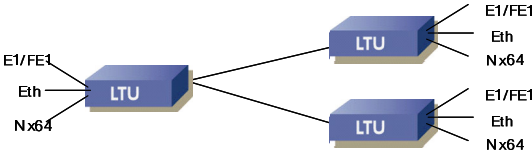
Supporting E1 (G.703/704) with a choice of 120 Ohm balanced or 75 Ohm unbalanced, the S-Access TELCO-LINK SHDSL modem additionally offers a universal Nx64 interface that can be adapted to V.35, V.36, X.21 and even V.24 (RS232) interfaces. The Line Termination Unit (LTU) even supports Ethernet bridging by presenting a 10/100BaseT Ethernet interface. E1 as well as Nx64 and Ethernet interfaces can be operated simultaneously by easy software configuration. Both, NTU and LTU can be configured to operate either in master or slave mode providing maximum flexibility. While the LTU offers the opportunity to remotely power the NTU over the SHDSL line, it even has the ability to remotely power additional S-Access Etherlink_II SHDSL repeaters. Optional Point-to-Multipoint support allows not only simple Point-to-Point campus applications, but also provides the opportunity to serve two different sites from one single S-Access TELCO-LINK modem.

With an analog voice port extension (FXS/FXO) the S-Access TELCO-LINK modems can easily be upgraded to a comprehensive Integrated Access Device (IAD) for complete, easy, and reliable voice and data convergence.

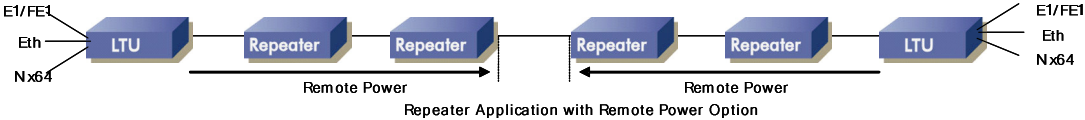
The S-Access TELCO-LINK series is available in various types of housings and mechanics, not only for office use, but also for industrial environments.

2 and 4 Wire SHDSL
Up to 2.3Mbps
E1 / Nx64 / Ethernet

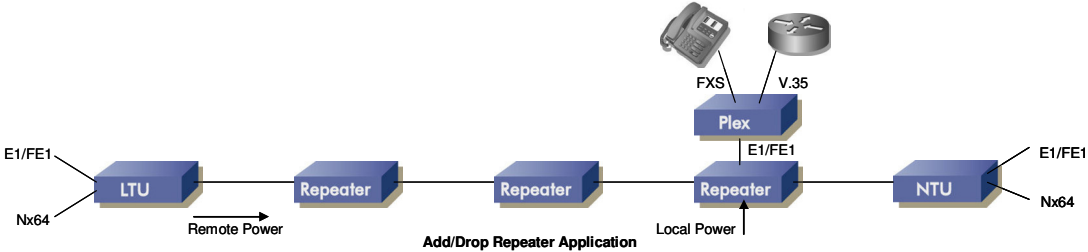
TELCO-LINK SHDSL Applications



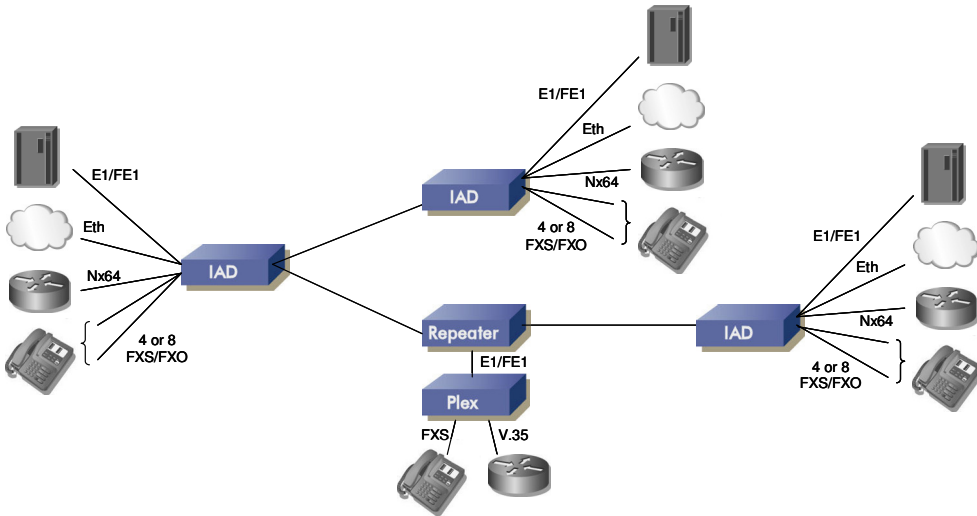
Point to Multipoint Application



Repeater Application with Remote Power Option



Add/Drop Repeater Application



Complex Integrated Access Device Application

2 and 4 Wire SHDSL

Up to 2.3Mbps

E1 / Nx64 / Ethernet

S-Access

S-Access TELCO-LINK SHDSL Desktop Modem



Model: SA-DT-TELCOLINK-E1

DSL Version: SHDSL
Modulation: TC-PAM16
Data Rate: 64kbps - 2.3Mbps
Copper Pairs: 1
Modes: Master / Slave
Interface: 1x E1 (120 Ohm)
Power: -48VDC, accepts local and remote power
Physical Interfaces: DB15 (E1), RJ48 (SHDSL), Molex (Power), DB9 (Management)
Management: Console Port, Telnet and limited SNMP via TCU
Power Supply: Included
Special Version: SA-DT-TELCOLINK-E1-75 offers E1 75Ohm BNC

Model: SA-DT-TELCOLINK-N64

DSL Version: SHDSL
Modulation: TC-PAM16
Data Rate: 64kbps - 2.3Mbps
Copper Pairs: 1
Modes: Master / Slave
Interface: 1x Nx64 (V.35, V.36, X.21, V.24)
Power: -48VDC, accepts local and remote power
Physical Interfaces: DB25 (Nx64), RJ48 (SHDSL), Molex (Power), DB9 (Management)
Management: Console Port, Telnet and limited SNMP via TCU
Power Supply: Included
Remarks: Requires adapter cable (V.35, V.36, X.21, V.24)

Model: SA-DT-TELCOLINK-E1-N64

DSL Version: SHDSL
Modulation: TC-PAM16
Data Rate: 64kbps - 2.3Mbps
Copper Pairs: 1
Modes: Master / Slave
Interface: 1x E1 (120 Ohm), 1x Nx64 (V.35, V.36, X.21, V.24)
Power: -48VDC, accepts local and remote power
Physical Interfaces: DB15 (E1), DB25 (Nx64), RJ48 (SHDSL), Molex (Power), DB9 (Management)
Management: Console Port, Telnet and limited SNMP via TCU
Power Supply: Included
Remarks: Requires adapter cable (V.35, V.36, X.21, V.24)
Special Version: SA-PAM-SAN-E1U/N64 offers E1 75Ohm BNC

Model: SA-DT-TELCOLINK-2E1-N64

DSL Version: SHDSL
Modulation: TC-PAM16
Data Rate: 64kbps - 2.3Mbps
Copper Pairs: 2 (Multi-Point)
Interface: 2x E1 (120 Ohm), 1x Nx64 (V.35, V.36, X.21, V.24)
Power: -48VDC, accepts local and remote power
Physical Interfaces: DB15 (E1), DB25 (Nx64), RJ48 (SHDSL), Molex (Power), DB9 (Management)
Management: Console Port, Telnet and limited SNMP via TCU
Power Supply: Included
Remarks: Requires adapter cable (V.35, V.36, X.21, V.24)
Special Version: SA-DT-TELCOLINK-2E1-N64 offers E1 75Ohm BNC

2 and 4 Wire SHDSL
Up to 2.3Mbps
E1 / Nx64 / Ethernet

S-Access TELCO-LINK SHDSL Rack Card Module



Model: SA-RC-TELCOLINK-E1

DSL Version: SHDSL
 Modulation: TC-PAM16
 Data Rate: 64kbps - 2.3Mbps
 Copper Pairs: 1
 Modes: Master / Slave
 Interface: 1x E1 (120 Ohm)
 Power: -48VDC, local power
 Physical Interfaces: DB15 (E1), RJ48 (SHDSL), DB9 (Management)
 Management: Console Port, Telnet and SNMP via TCU
 Special Version: SA-RC-TELCOLINK-E1-75 offers E1 75Ohm BNC

Model: SA-RC-TELCOLINK-2E1

DSL Version: SHDSL
 Modulation: TC-PAM16
 Data Rate: 64kbps - 2.3Mbps
 Copper Pairs: 2 (Multi-Point)
 Modes: Dual Master / Dual Slave
 Interface: 2x E1 (120 Ohm)
 Power: -48VDC, remote power source, local power
 Physical Interfaces: DB15 (E1), RJ48 (SHDSL), DB9 (Management)
 Management: Console Port, Telnet and SNMP via TCU
 Special Version: SA-RC-TELCOLINK-2E1-75 offers E1 75Ohm BNC

Model: SA-RC-TELCOLINK-E1-N64-ETH

DSL Version: SHDSL
 Modulation: TC-PAM16
 Data Rate: 64kbps - 2.3Mbps
 Copper Pairs: 1
 Modes: Master / Slave
 Interface: 1x E1 (120 Ohm), 1x Nx64 (V.35, V.36, X.21, V.24), 1x Ethernet Bridge (10/100BaseT), 4x or 8x FXO or FXS
 Power: -48VDC, local power
 Physical Interfaces: DB15 (E1), DB25 (Nx64), RJ48 (SHDSL), DB9 (Management)
 Management: Console Port, Telnet and SNMP via TCU
 Remarks: Requires adapter cable (V.35, V.36, X.21, V.24)
 Special Version: SA-RC-TELCOLINK-E1-N64-ETH offers E1 75Ohm BNC

Model: SA-RC-TELCOLINK-E1-N64-ETH

:

:

:

:

2 and 4 Wire SHDSL**Up to 2.3Mbps****E1 / Nx64 / Ethernet****Chassis for 19" Rack Cards****Model: SA-MR-ACDC-48V**

Dimensions : 19"/1U, 439x258x43mm (WxHxD), 3.1kg
 Number of Slots : 1
 Power : 48VDC and/or 220VAC
 Remark : 48VDC and voice connectors on the back side

Model: SA-TT-48V

Dimensions : 258x258x65m (WxHxD), 2kg
 Number of Slots : 2
 Power : 24VDC or 48VDC
 Remark : All front access shelf

Model: SA-MR-2-ETH-48V

Dimensions : 19"/2U, 439x258x87mm (WxHxD), 4kg
 Number of Slots : 2
 Power : 24VDC or 48VDC
 Remark : All front access shelf

DIN-RAIL for Desktop Units**Model: SA-DT-MK-DIN**

Description : DIN Rail Mounting Kit for Desktop Units

Powersupply for SA-DT-XXX AND SA-TT-XXX**Model: SA-PSS-48_EURO**

Description : Spare Power Supply for TELCOLINKI (Desktop)
 (220VAC/48VDC)

**Model: SA-PSS-48_Inlet. Fig. 8**

Description : Spare Power Supply for Etherlink II (Desktop) (100-240VAC/48VDC/300mA), Inlet:Fig.8

2 and 4 Wire SHDSL
Up to 2.3Mbps
E1 / Nx64 / Ethernet

TELCO-LINK SHDSL Feature Overview

DESKTOP (TELCOLINK), E1, Nx64, V24, Ethernet Bridge



- SA-DT-TELCOLINK-E1
- SA-DT-TELCOLINK-E1-Nx64
- SA-DT-TELCOLINK-2E1-Nx64
- SA-DT-TELCOLINK-2E1-P

- 2 wire (2,3Mb)
- 4 wire (2,3 Mb or 2x2,3Mb)
- E1
- Nx64/RS232
- Single Ethernet Port
- Multi-Service
- Point to Point
- Point to Multipoint
- FXS (only with optional board)
- FXO (only with optional board)
- Locally Powered - 48V-DC
- Remotely powerable
- Console Management
- SNMP Management (through management module)
- Telnet Management (through management module)

RACK-CARDS (TELCOLINK), E1, Nx64, V24, Ethernet Bridge



- SA-RC-TELCOLINK-E1
- SA-RC-TELCOLINK-2E1
- SA-RC-TELCOLINK-E1-Nx64-ETH
- SA-RC-TELCOLINK-2E1-Nx64-ETH

- 2 wire (2,3Mb)
- 4 wire (2,3 Mb or 2x2,3Mb)
- E1
- 2E1
- Nx64/RS232
- Single Ethernet Port
- Multi-Service
- Point to Point
- Point to Multipoint
- FXS (only with optional board)
- FXO (only with optional board)
- Locally Powered - 48V-DC
- Remote Powersource
- Console Management
- SNMP Management (through management module)
- Telnet Management (through management module)
