

DIMEXbis - G.SHDSLbis MODEMS UP TO 22,8 MB/S



GENERAL DESCRIPTION

New **DIMEXbis** family of G.SHDSL bis digital modems from **DAVANTEL** comply with the standards SHDSL (TC-PAM16) and SHDSLbis (TC-PAM32). Thanks to those advanced coding technologies, **DIMEXbis** are capable of transmitting up to 5,7 Mbps over each pair bonding data up to an aggregated data rate of **22,8 Mbps** over 4 copper pairs.

DIMEXbis modems are available either in standalone, DIN rail and rack mount formats. Standalone modems are 48Vdc powered (220Vac using and external power adapter).

Configuration can be done locally using serial console port or remotely using Telnet, HTTP and SNMP.

DIMEXbis modem have a complete set of advanced features including:

- Multirate: manual or automatic rate selection based on distance or copper quality
- Local and remote loopbacks
- Remote power feeding over the DSL line
- Repeaters available for long cable distances
- Point to point and point to multipoint

SPECIFICATIONS

DSL line (TC-PAM16 and TC-PAM32):

Modulation: TC-PAM16 as per ITU-T G.SHDSL, Rec G.991.2 and TC-PAM32 as per ITU G.SHDSLbis

Impedance: 135 ohm

Tx power: 13.5 dBm

Line rates: 64 Kbps a 5,7 Mbps

Ethernet:

Standard: IEEE 802.3, IEEE 802.1q (transparent to VLAN tags), Full/Half Duplex

Rates: 10/100 Mbps

Connector: RJ-45

4 ports switch (on some models)

E1 interface:

Standard: G.703 and G.704

Jitter: as per ITU G.823

Line code: HDB3

Rate: 2048 Kb/s \pm 50 ppm

Connector: Coaxial or DB-15 female (specify on order)

Impedance: 75 ohm or 120 ohm

Maintenance:

Configuration serial RS-232 port with console interface (9600,8N1). DB-9 male connector

Telnet, Web and SNMP Agent

DSL line monitoring, Alarms. Ethernet statistics and E1 statistics as per ITU G.826

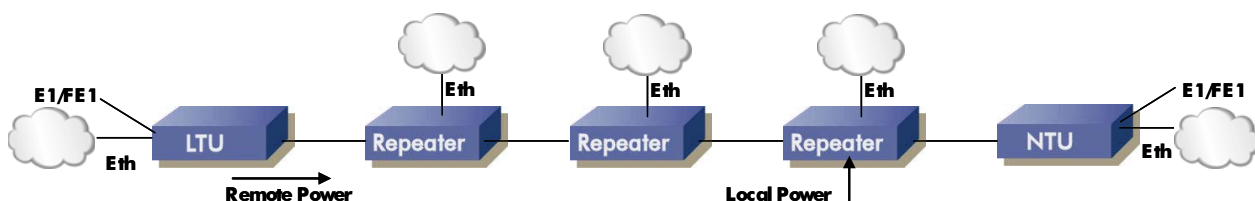
Power supply:

48 Vdc (220Vac using an external power adapter)

Temperature of service:

-5 ° to 45 °C.

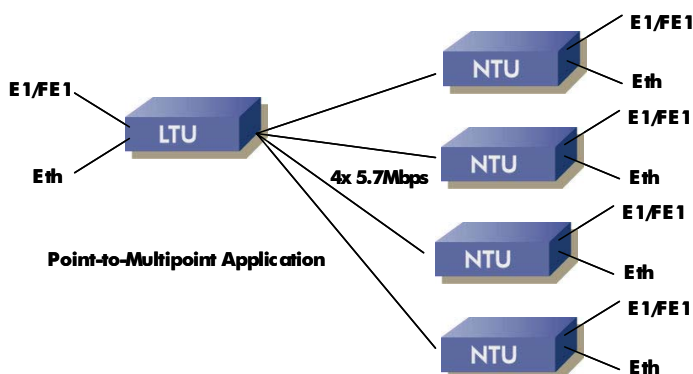
APPLICATIONS



Ethernet Add/Drop Repeater Application with Remote Power



Point-to-Point Bonding Application with Failure Protection



Point-to-Multipoint Application

MODELS

STANDALONE

	Pairs	Rates	E1 G703/G704	Ethernet
DM-2bis-BG	1	64Kb/s - 5,7Mb/s	1 (75Ω)	1
DM-2bis-B	1	64Kb/s - 5,7Mb/s	-	1
DM-4bis-B2G	2	64Kb/s - 11,4Mb/s (2 x 5,7Mb/s o 1 x 11,4Mb/s)	2 (120Ω)	1
DM-4bis-B	2	64Kb/s - 11,4Mb/s (2 x 5,7Mb/s o 1 x 11,4Mb/s)	-	1
DM-8bis-B	4	64Kb/s - 22,8Mb/s (4x 5,7Mb/s o 2x 11,4Mb/s o 1 x 22,4Mb/s)	-	1

19" RACKMOUNT CARD

	Pairs	Rates	E1 G703/G704	Ethernet
DMR-2bis-4BG	1	64Kb/s - 5,7Mb/s	1 (75Ω)	4
DMR-2bis-4B	1	64Kb/s - 5,7Mb/s	-	4
DMR-2bis-4B2G	1	64Kb/s - 5,7Mb/s	2 (75Ω O 120Ω)	4
DMR-4bis-4B2G	2	64Kb/s - 11,4Mb/s (2 x 5,7Mb/s o 1 x 11,4Mb/s)	2 (75Ω O 120Ω)	4
DMR-4bis-4B4G	2	64Kb/s - 11,4Mb/s (2 x 5,7Mb/s o 1 x 11,4Mb/s)	4 (120Ω)	4
DMR-8bis-4B4G	4	64Kb/s - 22,8Mb/s (4x 5,7Mb/s o 2x 11,4Mb/s o 1 x 22,4Mb/s)	4 (120Ω)	4