PORTech
Your CTI Partner

DMT-2

Digital Mobile Trunk

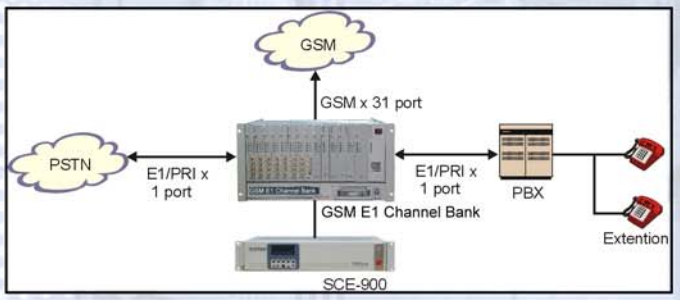
DMT-2 is connected between PSTN and PBX using the E1/PRI interface. It routes the mobile calls from PBX through mobile channels instead of going directly to the PSTN, hence reduces higher rate charge for mobile-to-fix line calls. If the call is not a mobile call, it just goes directly to the PSTN. On the other side, The calls come from PSTN will be passed to the PBX. Thus the DMT-2 can perform the LCR(Least Cost Route) function.

■ Optional external SCE-900,accommodates 992 SIM cards.

■ SCE-900 connects the DMT-2 via RS-232. The application software heaps the calling time of per SIM card. If it need to change SIM card, the GSM E1 Channel Bank will command SCE to change.

■ Dimensions: 19” standard cabinet. Height 2U. Depth 26 cm.

System Application



The DMT-2 contains 2 E1/PRI interfaces and 31 mobile channels. One E1/PRI connects to PSTN while the other E1/PRI connects to PBX. The MCU of DMT-2 decodes the signal and retrieve the called number to determine whether this call should go through mobile channel or E1/PRI channel. There are 8 MTIC cards, and each MTIC card contains 4 mobile channels. The last port on the last MTIC card is spared for system use. Therefore, total number of mobile channels is 31 ports.

Digital Mobile Trunk DMT-2

Mechanism

1. DMT-2 dimensions: 19" standard cabinet; Height 5U, Depth 42cm. 1U in the bottom of DMT-2 is MCU, The upper 4U consists of these PCB modules: 8 x MTIC,2 x E1 Trunk, 3 x Ctrl, IMS and Power.
2. MTIC: 4 LED on the front plate indicates status of each port. 4 outlets are for 4 antennas.

GSM spec in the MTIC

MTIC :

Providing 4 port GSM.
LED GSM status display.

GSM Frequency : Dual Band EGSM 900 and GSM 1800(GSM Phase 2+)

- GSM Frequency bands:Dual Band EGSM 900 and GSM 1800(GSM Phase 2+)
- GSM class:Small MS
- Transmit power:Class 4(2W) for EGSM 900
- Class 1(1W) for GSM 1800
- SIM card reader :External - connected via interface connector
- Antenna:50 Ohm antenna coaxial connector
- Temperature range :Normal operation: -20℃ to +55℃
- Restricted operation: -25℃ to -20℃ and +55℃ to 70℃
- Storage:-40℃ to +85℃

E1/T1 Trunk(ISDN E1/T1 PRI)

NO	Items	Default Value	Adjustable	Memo
1	ISDN PRI	30B+1D, DS0=64K/sec		
2	Line Length	G.703 (120Ω)		
3	Location	Local User, Q.850 Standard		
4	Cause Value	Q.850 Standard		
5	Signaling	Q.931 Standard		
6	Number Plan	Unnumbered		
7	Codec	G.711 a law		
8	User Side	SW type = Euro ISDN Net5	5ESS	
9	Network Side	SW type = Euro ISDN Net5		
10	Singaling Scenario	(1)Sending out Disconnect Singal upon receiving "Hang off" indication. (2)Setup time Max. = 20sec		5*4 times

CONTROL CARD

- Providing Digital Tone Source required in the RACK.
- +15dB Gain Adjustment.

IMS : 512*512 Digital Switch

Power :

- Input Voltage:AC90-135V, AC180-264V,50Hz~60Hz
- Input Current:8A for 115VAC, 5A for 230VAC
- Type:Switching
- Output:+3.3V_28A,+5V_30A, +12V_15A,-5V_0.5A, -12V_1A,+5VSB_2A
- Total Power:300W

PORTech Your CTI Partner
PORTech Communications Inc.
150,Shiang Shung North Road.,Taichung,Taiwan 403,R.O.C
TEL:886-4-23058000 FAX:886-4-23022596
E-mail:info@portech.com.tw Skype Account:portech
http://www.portech.com.tw