



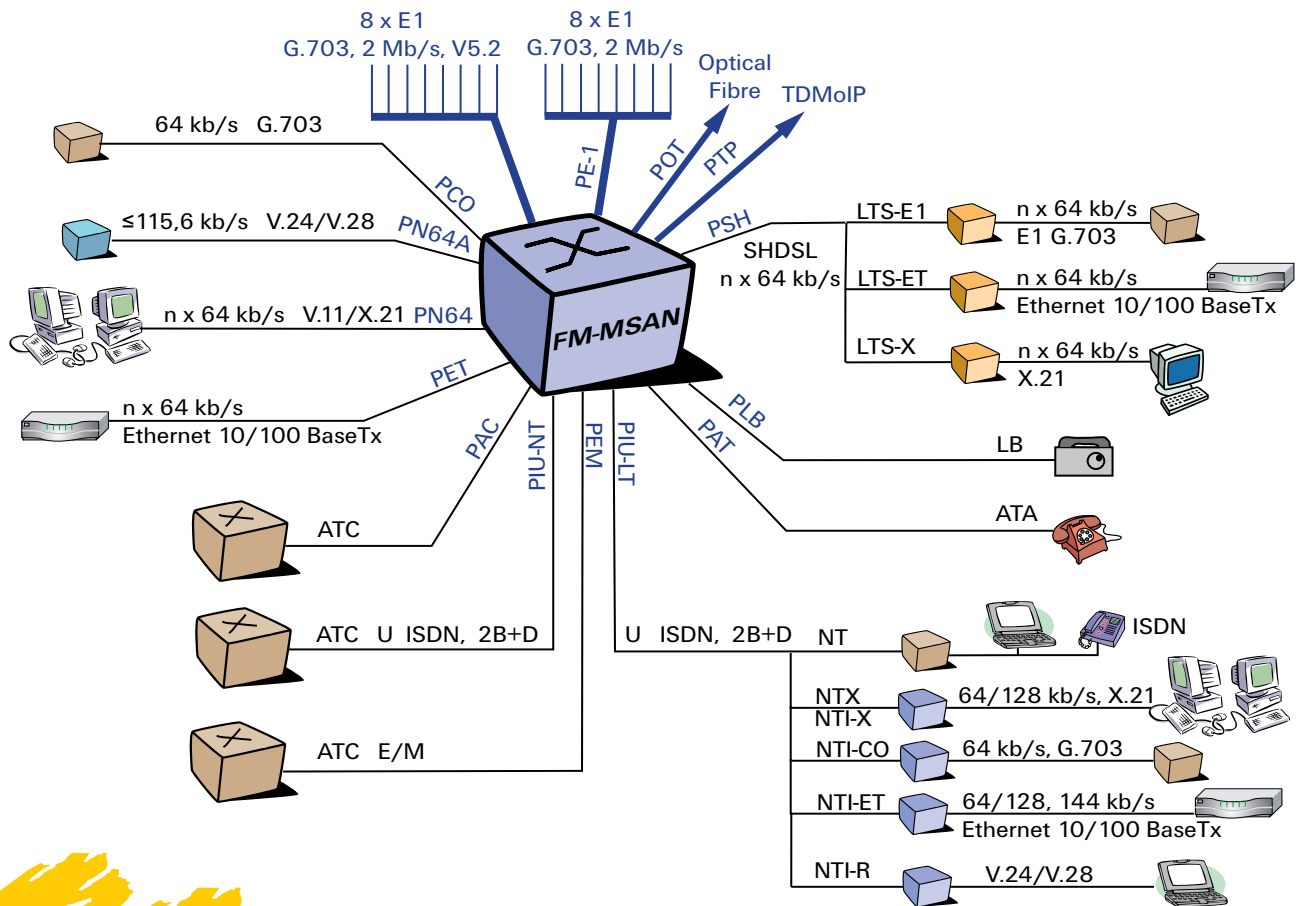
# FM-MSAN (FM8x2)

## MULTISERVICE ACCESS MULTIPLEXER

- Multiservice Access Node (MSAN)
- Universal access PSTN
- 8 to 72 external and 16 to 80 internal links 2 Mbit/s
- Digital channel cross-connect between all 88 links (non blocking)
- Concentrator according to V5.2 up to 2400 subscribers, for remote multiplexers and/or V5.2 access nodes
- Protocol conversion V5.2-CAS
- Built in optical transmission, TDMoIP access, multiple conference and service channels available



Access Systems



**IRITEL**  
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connections

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## Channel units

- PEM10 – 10 channels 2w/4w with E/M signaling
- PAT10 – 10 channels, ATA interface
- PAT20 – 20 channels, ATA interface
- PAC10 – 10 channels, ATC interface
- PLB10 – 10 channels, LB interface
- PCO – 10 channels, 64 kbit/s digital interface, codirectional G.703
- PN64 – 4 channels, n×64 kbit/s, V.11/X.21 interface
- PN64A – 8/4 channels, asynchronous/synchronous transmission from 2.4 up to 115.6 kbit/s, V24/V.28
- PIU-LT – 4 channels, ISDN U interface, 2B1Q for direct connection to a ISDN phone
- PIU-NT – 4 channels, ISDN U interface, 2B1Q for direct connection to a ISDN exchange
- PSH – 4 channels, SHDSL n×64 kbit/s interface or 2 Mbit/s or Ethernet over SHDSL
- PET – 3 channels, n×64 kbit/s Ethernet bridge with 10/100 BaseT or/and 100 Base FX interface
- PIO – 8 x digital I/O
- PCF – up to 5 conferences with up to 60 users
- POT - Integrated Optical Transmission unit with 1+1 APS and additional 2xE1
- PTP - TDM over IP Transmission Unit with additional 2xE1



**PEM**



**PAT10**



**PAC10**



**PLB10**



**PCO**



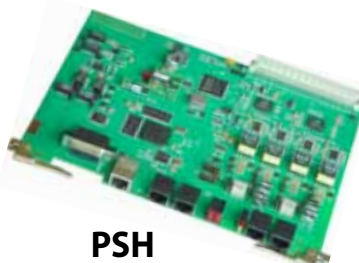
**PN64**



**PN64A**



**PIU**



**PSH**



**PET**