



FMOP

FLEXIBLE MULTIPLEXER OPTICAL PLATFORM

- Universal TDM narrowband and packet broadband optical transmission platform
- Up to 400 equivalent 64 kbit/s subscribers
- Wire speed broadband Ethernet Services
- Point to point leased line or switched TDM services over optical transmission medium
- 1+1 optical Automatic Protection Switch (APS)



Access Systems

IRITEL
*bright
connections*

TELECOMMUNICATIONS AND ELECTRONICS

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Applications

FMOP is flexible multiplexer specially designed to allow transmission of TDM narrowband voice and data signals and broadband Ethernet packet data in point to point configurations over optical transmission medium.

Device enables reliable and high quality TDM voice and data services with low latency and guaranteed throughput. FMOP helps user to protect their existing investments in legacy TDM based CO and CPE equipment and at the same time enable smooth transition to a new broadband services. For the users who requires guaranteed quality of services FMOP represents unparallel solution compared to a VoIP technology.

Typically FMOP find application for:

- Connecting remote analog subscribers, FXS, FXO
- Connecting remote ISDN BRA subscribers
- Leased line access to Internet Service Providers (ISP)
- Leased line services over E1 for corporate PABX connections
- IP DSLAM connections to remote IP SWITCH

FMOP multiplexer is suitable to be used by:

- Public telecommunication networks operators
- Public utility companies
- Large and medium sized companies
- Government offices and agencies

Features

- Supports over 15 different transmission and subscriber, analog and digital interfaces. Shares the same channel units with other multiplexers from IRITEL.
- 4 E1 PDH tributary interfaces for 2 Mbit/s
- Full non-blocking cross-connect
- Up to 21 universal unit slots per subracks
- Up to 20 channels per unit
- Various synchronization sources are available, received clock from line, from a subchannel, from internal oscillator or from external reference
- Line test access
- Integrated network management system, SNMP and SUNCE support
- Supports fibre rings and complex network structure
- Plug-in SFP optical transceivers, provides different fiber type and section lengths
- Wire speed Ethernet bridge functionality
- Optical Line protection, 1+1
- Advanced fault diagnosis (integrated BER tester)

User interfaces

- Analog: 2w/4w with E/M signaling, 2w FXS, 2w FXO, Magnetic
- Digital 64 and nx64 kbit/s: X.21, asynchronous/synchronous V.24, ISDN U, SHDSL, Ethernet

