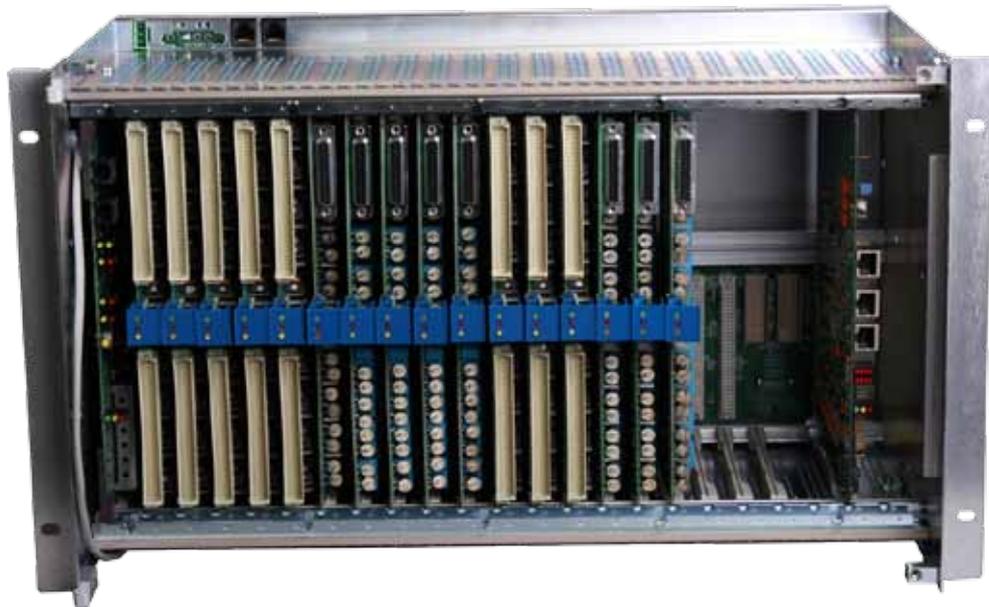# FMVP
FLEXIBLE MULTIPLEXER VoIP PLATFORM

Access Systems

- Universal VoIP Residential Gateway Solution
- Up to 400 POTS analog subscribers (simultaneous VoIP-POTS conversions)
- High speed broadband Ethernet Services
- Media engine supports various voice coders
- Enhanced voice processing and quality enhancement
- Signalling engine - SIP
- SUNCE and SNMP based TMN support

IRITEL
bright connections

Applications

FMVP is flexible multiplexer specially designed to enable voice services to residential subscriber over packet switched Ethernet and IP based network. The main 4 function of FMVP multiplexer are: Media Engine works on voice coding, Signalization Engine deals with signalization, Application Engine controls software applications and TDM Engine is deals with analog and digital subscribers.

Device enables premium voice quality utilizing versatile voice quality enhancement like voice detection, echo cancellation, packet loss concealment, comfort noise generation etc. FMVP helps user to protect their existing investments in subscribers CPE equipment and enables smooth transition to new packet voice services while keeping subscriber infrastructure intact. Besides of VoIP services FMVP offers high speed Ethernet connection suitable to be used for IP DSLAM connectivity thus making the FMVP ideal packet voice and data provisioning platform.

Typically FMVP find application for:

- Connecting residential subscribers to VoIP Soft Swtich

FMVP 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 up to 400 subscribers
- Supports different voice coders: PCM, ADPCM, GSM, Fax Relay
- Echo cancellation: per ITU-T G.168-2000 ECAN 10 ms, 16 ms, 32 ms, 128 ms
- Voice detection: analyses voice activity to detect silence
- Packet Loss Concealment: per ITU-T G.711 Appendix 1
- Comfort Noise Generation: per ITU-T G.711 Appendix 2
- Adaptive Jitter Buffer Manager: fully adaptive or static; dejitter and packet reordering
- Audio Conferencing: support for 3 to N party audio conferences
- DTMF Detect and Generate: per Bellcore GR-506-CORE, TIA 464-B, ITU-T Q.23 and Q.24
- DTMF Relay: per RFC 2833
- Call Progress Tone Handling: per Bellcore GR-506-CORE, ITU-T Q.35
- Integrated network management system, SNMP and SUNCE support

User interfaces

- Subscriber: analog: 2w FXS, 2w FXO, ISDN U Line Termination side
- Auxiliary: Fast Ethernet