

ADPCM Transcoder

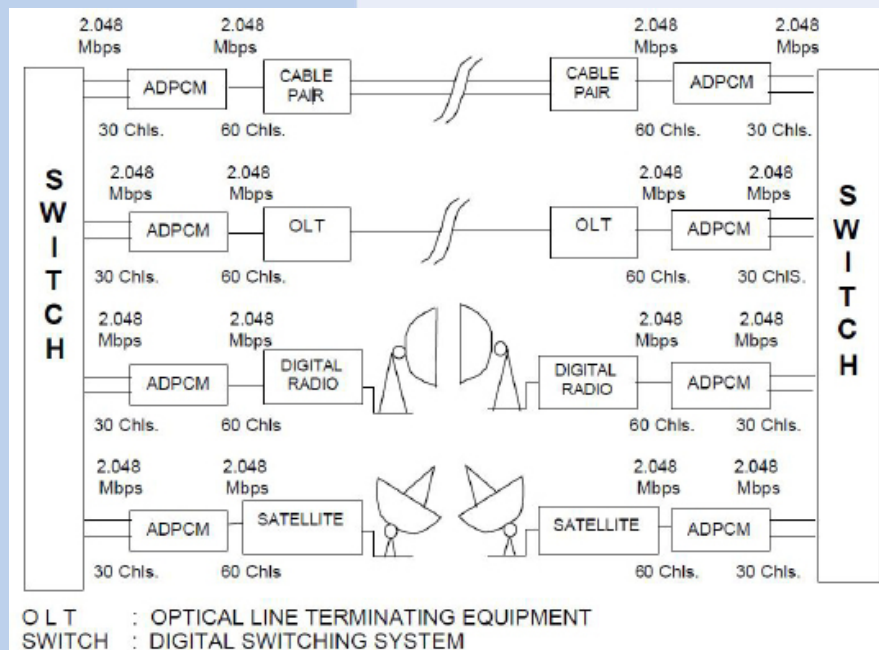
Model No: ICS – 60-APT-01



ICS-60-APT-01

The ICS-60-APT-01 is a state of the art solution for enhancing network connectivity in an extremely cost effective manner. A 60 Channel ADPCM Transcoder combines two conventional 2 Mbps PCM E1 trunks into a single E1 trunk catering for 60 channels by adapting ADPCM coding.

The Transcoder accepts two 2 Mbps streams, termed as A&B, where voice channels are coded following A-law using 64 Kbps per channel and to convert these voice channels into one 60 channel ADPCM stream, termed as C, using 32 Kbps per channel. The reverse function of converting C stream into A&B streams is also achieved. The system is approved by Telecom Engineering Centre, Department of Telecommunications, India. ICS-60-APT-01 is a versatile system and can be applied to any of the existing transmitting media available in the modern telecom networks.



NOTE : The specifications can be changed without notice due to technological advances.



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ICS-60-APT-01

ADPCM Transcoder

Model No: ICS – 60-APT- 01

Unique Features

- Fully solid state & compact
- Safeguard facility for one of the PCM streams
- Synchronization to different clocks, external or internal
- Automatic clock switch over on failure of selected clock according to user set priority
- Supports Channel Associated Signaling (CAS) with 2 or 3 bit signaling
- Supports Common Channel Signaling (CCS)
- Low Power Consumption
- Confirms to CCITT recommendations G.721, G.703 & G.732
- Extensive alarm indications

System Specifications

- Number of channels : 60, Full Duplex
- Coding : HDB3 as per CCITT G.703
- Line Impedance : 120 Ohms balanced / 75 Ohms unbalanced
- Signaling mode : CAS as per CCIT G.761 or C7 signaling or combination of both
- Clock selection
 - Internal : Recovered from stream A, B or C
 - External : 2048 Kbps TTL level
- Power
 - Input : - 48V +/- 20%
 - Consumption : 7.5W
- Size : Standard 19" 6 U cabinet
- Capacity : 6 Transcoder per cabinet

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