

Features

- Programmable μ -Law/A-Law Codec and Filters
- Programmable CCITT (G.711)/sign-magnitude coding
- Programmable transmit, receive and side-tone gains
- Fully differential interface to handset transducers - including 300 ohm receiver driver
- Flexible digital interface including ST-BUS/SSI
- Serial microport or default controllerless mode
- Single 5 volt supply
- Low power operation
- CCITT G.714 compliant

Applications

- Digital telephone sets
- Cellular radio sets
- Local area communications stations
- Pair Gain Systems
- Line cards

Ordering Information

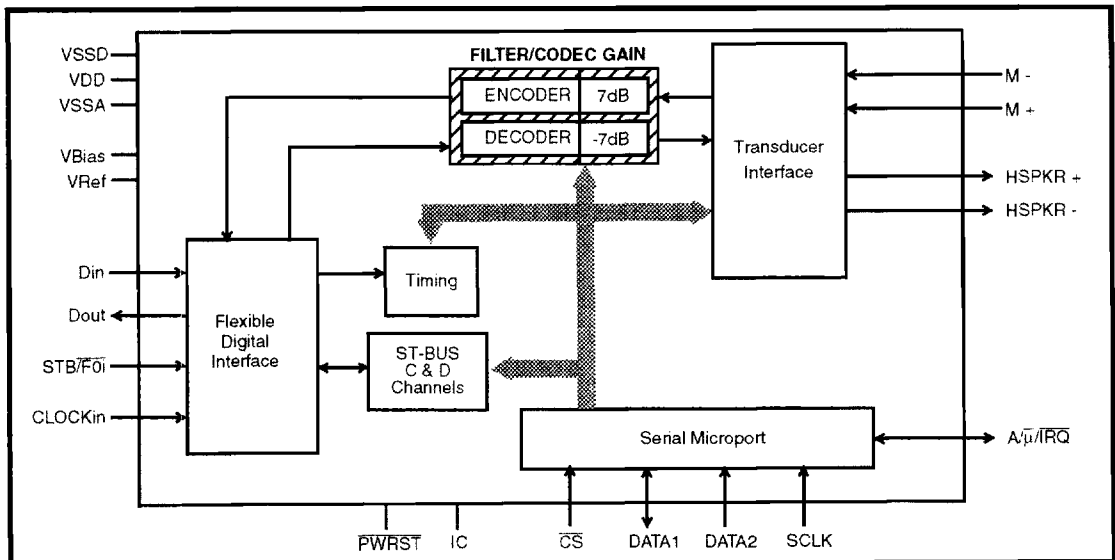
MT9160AE	24 Pin Plastic DIP
MT9160AS	20 Pin SOIC

-40°C to +85°C
Description

The MT9160 5V Multi-featured Codec incorporates a built-in Filter/Codec, gain control and programmable sidetone path as well as on-chip anti-alias filters, reference voltage and bias source. The device supports both A-Law and μ -Law requirements.

Complete telephony interfaces are provided for connection to handset transducers. Internal register access is provided through a serial microport compatible with various industry standard micro-controllers. The device also supports controllerless operation utilizing the default register conditions.

The MT9160 is fabricated in Mitel's ISO²-CMOS technology ensuring low power consumption and high reliability.


Figure 1 - Functional Block Diagram