General Description

The PSB 7280 is a device which implements voice compression algorithms defined in the ITU-TS G.711, G.722 and the G.728 Recommendation. It fits best into every application where audicompression is needed.

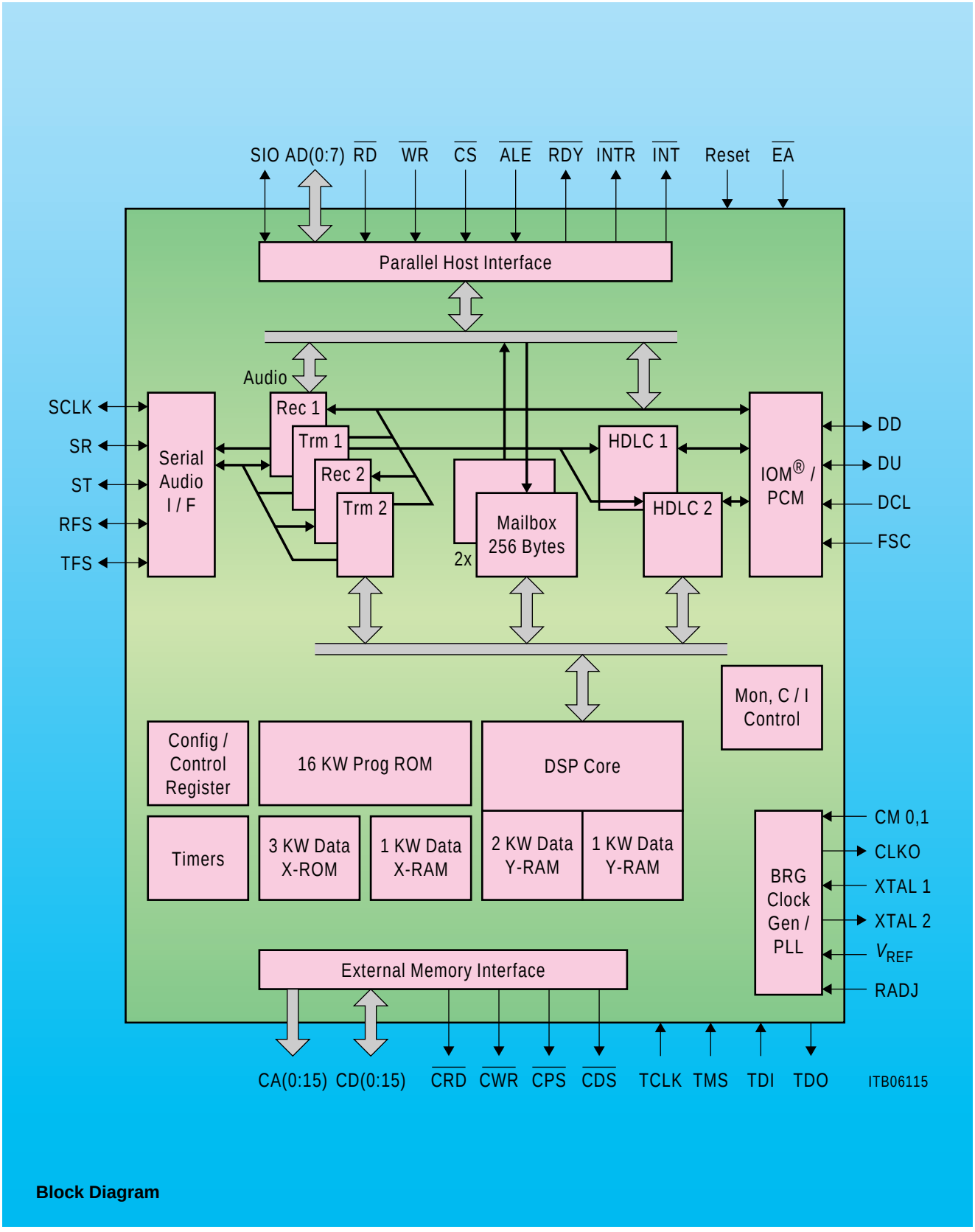
Applications

- ISDN videophones
- Video conference systems
- Corporate networks voice concentrators and gateways
- Data-over-voice and voice-over-data terminals
- Networks (e.g. LANs) for packetized voice
- Digital Added Main-Line (DAML) & Digital Circuit Multiplication (DCME) equipment
- Voice storage e.g. in PC based applications

Type	Package
PSB 7280-H	P-TQFP-100-1 (SMD)

Features

- G.711/G.722/G.728 compression/decompression for one audio channel
- Programmable G.711/G.722/G.728 modes with mixed modes of operation (e.g. G.722 in receive and G.728 in transmit direction)
- A/µ-Law recognition in G.711 mode (according to G.725 Appendix I)
- Fax modem signal recognition
- Accepts/outputs uncompressed audio in 8-bit PCM A/µ-Law, or linear 16-bit format
- Serial H.221 oriented audio protocol for direct connection to Videocodec (VCP of IIT Inc.)
- Two universal serial HDLC/transparent data controllers
- Programmable on-chip PLL for internal clock generation from ISDN low frequency clock
- All program and data memory on chip
- Flexible interfaces (e.g. IOM-2, serial audio interface, parallel 8-bit host interface, external memory interface)
- Supply voltage: 3.0 to 3.6 V
- 0.5-µm CMOS technology



Block Diagram