

**General Description**

The DECT Multichannel Burst Mode Controller is one of the devices of the Siemens chip set designed cordless applications specified by the DECT standard.

The device can handle up to twelve DECT channels. It supports most of the Medium Access Control (MAC) layer and Physical layer (PHL) functions specified in the DECT standard. An interface to a standard 8-bit microcontroller (Motorola and Intel compatible) is implemented.

Furthermore 3 IOM-2 interfaces are integrated e.g. for direct connection of U<sub>PD</sub> transceivers (ISAC-P TE). The on-chip RF interface allows the control of the DECT-RF circuitry with a minimum of discrete components.

The circuit can be used in DECT basestations (Radio Fixed Parts RFPs). The device supports unprotected data transmission.

The device is fabricated using Siemens advanced CMOS technology and will be available in a 100 pin package.

Type	Package
PMB 2727-H	P-MQFP-100-2 (SMD)

**Features**

- Power-down mode programmable
- Power supply voltage: 5 V ± 5 %
- Low power consumption: 100 mW (5 V)
- Advanced low power CMOS technology

