**General Device Overview**

The ISDN Terminal Adapter Circuit interfaces standard terminals and PCs to a circuit switched data network or an ISDN. It supports both bitstuffing (V.110) and flag-stuffing (V.120) adaption protocols. The on-chip communication controllers handle signaling between data equipment and the network.

**Applications**
- Voice/Data Terminals
- ISDN PC Cards
- ISDN Terminal Adapters

**Features**
- Support of async and sync interfaces (X.21, X.21 bis V.24, RS232C, V.35)
- Modern control lines
- Programmable baud rates
- Bit rate adaption according to X.30, V.110, ECMA.102
- USART and HDLC controller to support V.120 and DMI applications
- In-band parameter exchange and signaling support
- Supports SSI- and IOM-2 interface for basic rate applications
- IOM-2 MONITOR channel controller
- Siemens/Intel multiplexed microprocessor interface
- Power-down (standby) mode

**Type** | **Package**
---|---
PSB 2110-H | P-MQFP-44-1 (SMD)
PSB 2110-N | P-LCC-44-1 (SMD)
PSB 2110-P | P-DIP-40-1

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**Block Diagram**

- **DCE Interface**
- **Async Sync Converter ASC**
- **Intermediate Rate Converter IRC**
- **Bearer Rate Converter BRC**
- **IOM®-2 Handler**
- **Status and Configuration Register**
- **Clock Generation**
- **Microcomputer / DMA Interface**
- **Intermediate Network Interface SNI**
- **DSX / DU**
- **SDR / DD**
- **CLK / DCL**
- **FSC**
- **XTAL1**
- **XTAL2 10.752 MHz**

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