

## Product Brief B-MuSLIC

PEB 35508 (B-MuPP)

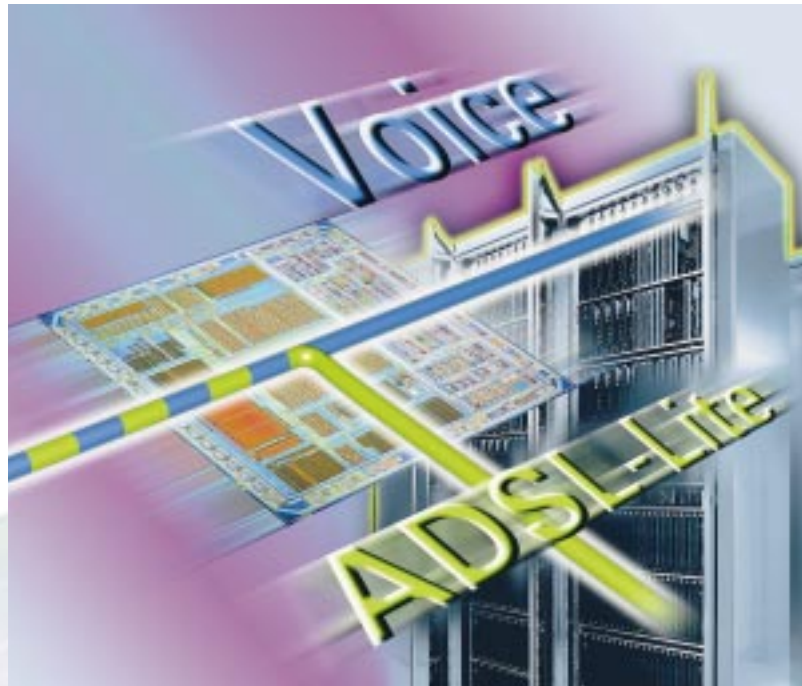
PEB 3554 (B-QAP)

PEB 4550 (B-SLIC)

PEB 55504 (ALiDD)

Broadband-Multi Channel  
Subscriber Line Interface Concept

The **B-MuSLIC** chipset supports splitterless integrated voice and data transmission (IVD) for CO and Access Networks. It is fully compliant to ITU-T standard G.Lite.



## B-MuSLIC

### Applications

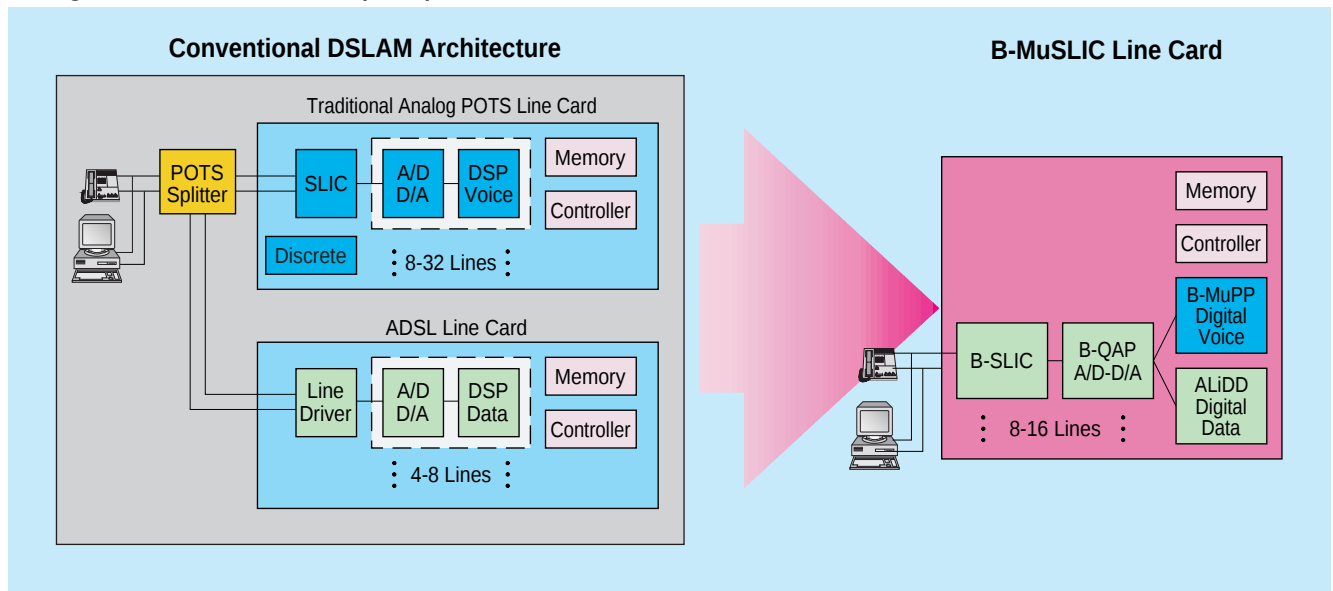
- Splitterless ADSL-Lite Data transmission combined with Analog Line Card Applications for Central-Office and Access Network

### Features

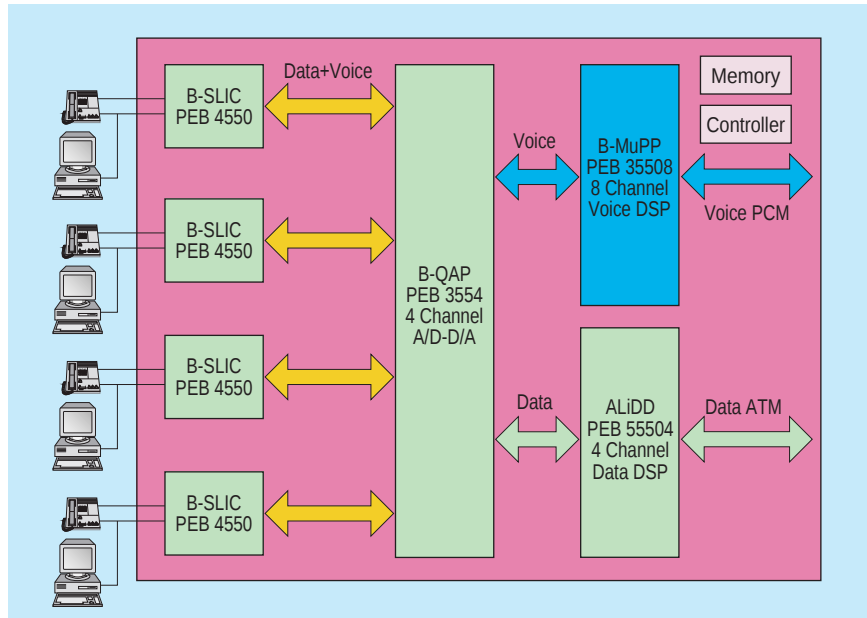
- ADSL-Lite Data and Voice Transmission
- Compatible with UAWG and ITU-T G.Lite standard
- Compatible with ITU-T Q.552 Z Interface, LSSGR for voice transmission
- Digital Voice-Data separation, no additional POTS Splitter required for central side
- no separate ADSL-Lite Line card, no DSLAM architecture required
- ATM UTOPIA interface

- Integrated ringing
  - Programmable sinusoidal ring frequency (16,6 Hz - 70 Hz)
  - Programmable ring amplitude (up to 85 Vrms)
  - Automatic DC ring trip detection with programmable threshold
  - Ring generation with zero crossing injection
  - No ring relays required
- Support of external ringing
- Fully digital programmable DC-Characteristic
  - Programmable constant current from 0 to 50 mA
  - Programmable resistive values from 0 to  $2 * 800 \Omega$
  - Programmable constant voltage
- Programmable Integrated Teletax Injection and Filtering
  - Programmable up to 10 Vrms at Ring/Tip - wire of the AHV-SLIC
  - Programmable frequency (12/16 kHz)
- Programmable digital codec filters for:
  - Impedance matching
  - Transhybrid balancing
  - Frequency response
  - Gain
  - A- law,  $\mu$ - law, 16-bit linear mode
- Support of software controlled Integrated Test & Diagnostic Functions
  - Integrated line testing circuit tests
  - Loops for Integrated Board/ Circuit Testing
- Polarity reversal (hard/soft) for pay phones
- Interface
  - 8-bit parallel microcontroller interface for Intel- and Motorola- like Processors, PCM and IOM<sup>®</sup>-2 interface
- Programmable thresholds; On- Hook, Off- Hook, Ring Trip Detection

# Integrated Voice Data (IVD) Line Card



## Splitterless High Integrated Voice & Data Line Card



- Applications for 4, 8, 12, 16 channel IVD Line Cards
- 552 kHz bandwidth; data rates up to 1.5 Mbit/s downstream and 512 kbit upstream compliant to G.Lite
- Support of all analog Line card services, BORSCHT (see also MuSLIC Product Brief)
- Only one single line card without any external POTS splitter required
- Easy upgrade from standard MuSLIC

**B-MuPP**  
Broadband Multichannel Processor for POTS, 8 channels voice DSP

**B-QAP**  
Broadband Quad Analog POTS, 4 channels A/D-D/A converter

**B-SLIC**  
Broadband SLIC, 1 channel

**ALiDD**  
ADSL-Lite Data DSP, 4 channels

|                                                                                                                                                                                                            |                                                                                                                                                        |
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