PEB 3314/ 3318/ 3324/ 3328 (VINETIC-4M, -8M, -4VIP, -8VIP) PEB 4264/ 4265/ 4266 (SLIC-S, -E, -P) Voice and InterNet Enhanced Telephony Interface Circuit

The VINETIC-Family of codec/SLIC chip sets provides a 4 or 8 channel analog termination, optimized for Access Network and Customer Premises applications.

The software programmable VINETIC builds on the success of the well-known DuSLIC chip set. VINETIC adds a comprehensive set of new system features especially designed for packet based voice transmission, as used in VoDSL, VoIP and VoCable.

VINETIC Family

Applications
- Packetized and Switched Networks
- Integrated Access Devices (IAD), xDSL-NTs
- Cable Modems
- Routers, Voice Gateways, VoIP
- Access Network, DLC, WLL
- PBX, VoIP-PBX, ISDN-TA/-PBX

Voice over Packet Features
- Integrated Voice Compression Codecs:
  - G.728
  - G.723.1
  - G.729 A/B/E
  - G.726 ADPCM (32, 16, 24, 40 kbit/s)
- Patent Indemnification for Vocoder Algorithms available
- Line Echo Cancellation (LEC):
  - Near- and Far-End-Echo
  - Up to 128 ms tail
  - Exceeding G.165/G.168/ G.168-2000
- DSP Power According to System Port Density
- ATM AAL2 and RTP/UDP packet preprocessing
- T.38 Fax Relay Support
- Software controlled Integrated Test & Diagnostic Functions ITDF to support Line Testing (GR 909) and Quality of Service (QoS)

Codec/SLIC Features
- Fully programmable 4-, 8-channel CODEC
- Specification according to ITU-T Q.552, G.712, LSSGR
- Uses Infineon's well-known DuSLIC SLICs
- AC and DC characteristic software programmable
- Flexible Interfaces: PCM, IOM; serial, parallel microcontroller/ host processor interface
- Enhanced Power Management
- Optimized Filter Structures for V.90 (56 k) Transmission including Robbed-Bit-Signaling Filter
- Integrated DTMF Receiver
- Integrated Caller-ID Generator (FSK and DTMF)
- Internal programmable balanced ringing up to 100 V_{RMS} and 50 V_{RMS} unbalanced ringing
- Full support of external unbalanced ringing
- Metering pulse up to 2.5 V_{RMS} at 200 Ω (12/16 kHz)

www.infineon.com/vinetic

VINETIC

Enhanced Solutions for Next Generation Analog Telephony

Infineon technologies

Never stop thinking.