

doubleE1[®] PCI ISDN

Productsheet

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The **doubleE1[®] PCI ISDN** turns your legacy ISDN equipment (or analog equipment behind an ISDN PBX) into powerful Voice over IP devices. It provides a soft migration path from ISDN technology to the new Voice over IP world (see Application 1).

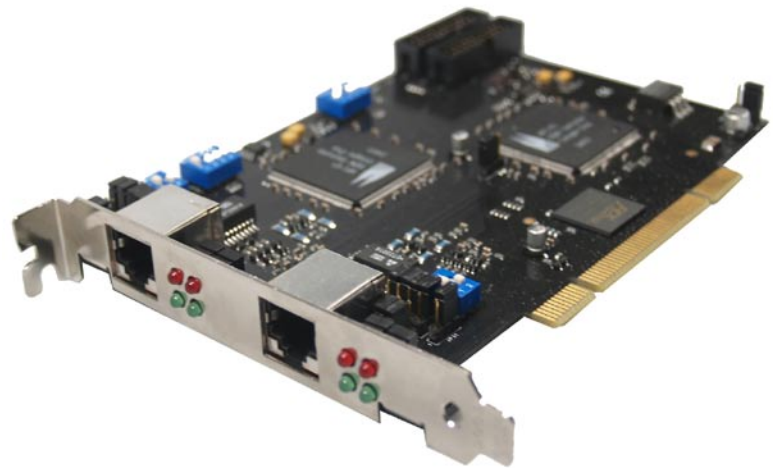
Connect your ISDN PBXes at different locations with Voice over IP and drop costs for company internal calls close to zero. Transparently add least cost routing over ISDN or VoIP carriers to reduce costs on outbound calls significantly.

The **doubleE1[®] PCI ISDN** brings powerful ISDN PRI connectivity to your Linux machine. It comes with fully GPLed drivers for the Linux 2.4.X and 2.6.X kernels. The E1 PRI port can be configured for CPE or NET operation by jumpers.

This port configuration is detected by the driver automatically.

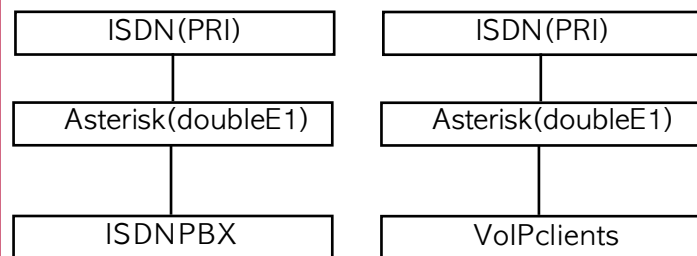
The drivers can handle the user and network side of euroISDN, AT&T 4ESS, DMS 100, Lucent 5E and National ISDN 2 signalling

Two **doubleE1[®] PCI ISDN** cards can be interconnected over an external PCM bus. The card's active channel switching capability (to bridge B channels on the card without latency and not using the host CPU) is also working over the external PCM bus (e.g. B channels on different cards can be actively switched).



Application 1: Integration of an ISDN PBX

Application 2: VoIP gateway for BRI



Target applications

- ISDN BRI PBX
- ISDN least cost router
- Voice over IP BRI gateways
- VoIP integration of ISDN equipment
- **PBX to PBX trunking**

Features

- 2 Primary Rate Interface ports for CPE and NET operation
- DTMF detection
- Conference bridge
- PCM bus connectors (PCM30, PCM64, PCM128)
- 2 x 4 dual-color LEDs (layer 1 state indicators)
- active channel switching (across multiple cards over the external PCM bus)
- PRI ISDN protocol stack
- suitable for 3.3 volts and 5.0 volts 32 bit PCI slots

Requirements

- CPU 1000+ MHz
- RAM 128+ MB
- Linux 2.4.X or 2.6.X Kernel (2.6.X recommended)
- 32bit PCI Version 2.2 slot

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