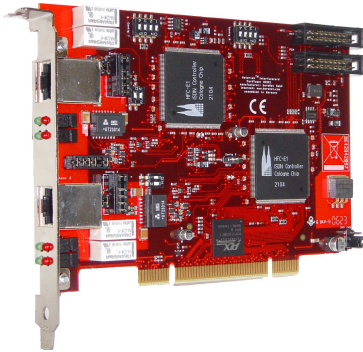


BNXE1 PRI Card Series for Asterisk



beroNet offers the BNXE1 PRI ISDN cards, a powerful and flexible solution for the Open Source PBX Asterisk. Together with our channel-driver "chan_mISDN", which is covered by the GPL licensing agreement, you can easily add PRI ports to your Asterisk system. Our channel-driver is based on the new ISDN stack of the new Linux Kernel: mISDN (modular ISDN).

The BNXE1 card series has been developed to complete the Digium PRI product line in case of special scenarios. The BN2E1 has relays for interconnecting both ports if hardware or application is in fail. For ISDN data connections or fax connections through different beroNet cards it is possible to connect the cards through the PCM bus for switching channels in Hardware, so that there is no delay and the transmission of data or fax is assured. A typical use case for this is for example an ISDN data connection to a customer starting from the support pc (BRI) over the ISDN line of the whole company (PRI).

Features:

- 1 or 2 PRI Ports, 30 channels per port
- each port can be configured individually for TE / NT mode
- L1, L2, L3 tested (TE-Mode) for compliance to European standards for EuroISDN.
- Hardware bridging (for transparent voice, data and fax transmission)
- PCM Bus (inter-connection between BN cards to enable hardware bridging for different cards via optional PCM-Bus cable)
- Hardware DTMF Detection
- Software echo cancellation module, compliant to G.168-2000 ITU-standard, works only for beroNet cards (available soon)
- ISDN ports are short-circuit protected (by electronic fuse, auto-reset)
- BN2E1 has relays for interconnecting Ports if hardware or application is in fault
- line termination (120/75 ohms) is selectable for each port by DIP switch
- PCI interface is suitable for 3.3V as well as for 5V PCI 2.2 slots (5V to 3.3V on board regulator)