



beroNet offers the bero*fix card series, a powerful and flexible hardware solution to connect ISDN and GSM infrastructures to any SIP based VoIP system. It has a modular concept and supports all relevant VoIP technologies like Echo Cancellation, Codec Translation, Secure RTP and FoIP. The card is designed to run on every operating system. It will be installed as a normal network adaptor and every communication to and from the card will be done over ethernet.

The bero*fix base board is available for **PCI** or **PCI Express** card with different channel densities, depending on your usage:

- bero*fix 400 (4-16 channels)
- bero*fix 1600 (16-64 channels)
- bero*fix 6400 (64-120 channels)

Available modules to connect ISDN are :

- BF4S0, 4xS0
- BF1E1, 1xE1
- BF2E1, 2xE1

Analog(FXS/FXO) and GSMN modules will be coming asap

The base board is able to carry 2 modules. The following combinations are available:

- bero*fix 400 + 4xS0 (1xBF4S0)
- bero*fix 1600 + 4xS0 + 1xE1 (1xBF4S0 + 1xBF1E1)
- bero*fix 6400 + 4xS0 + 2xE1 (1xBF4S0 + 1xBF2E1)
- bero*fix 400 + 8xS0 (2xBF4S0)
- bero*fix 1600 + 8xS0 (2xBF4S0)
- bero*fix 1600 + 1xE1 (1xBF1E1)
- bero*fix 6400 + 2xE1 (1xBF2E1)
- bero*fix 6400 + 3xE1 (BF1E1 + BF2E1)
- bero*fix 6400 + 4xE1 (2xBF2E1)

Features:

- Codecs: G.723.1 and Annex A, G.729 a/b, G.726, G.711 u/A
- G.168/G.165 Echo Cancellation with Echo Path Change Detection, up to 128ms
- DTMF Digit Detection
- Voice Activity Detection / Comfort Noise Generation
- Caller ID Generation / Detection
- T.38 fax relay (v.27ter, V.29, and V.17)
- DSS1, EuroISDN conform (feature set: COLP, CFU/CFB, CFNRY, CCBS, ECT, UUS, MCID, CD, CW)
- Q.SIG feature set: CNIP,
- Runs on every operating system with every SIP based VoIP solution like Asterisk[®], OpenSER, Swyx[®] or 3CX[®]
- Modular concept enabling the mix of available technologies (for example E1 and S0)