beroNet 400 BF4004FXO PCI Express 4 FXO Baseboard (BF4004FXOE)



Product Name: beroNet 400 BF4004FXO PCI Express 4 FXO Baseboard (BF4004FXOE)
Manufacturer: beroNet
Model Number: BF4004FXOE

beroNet BF4004FXO 400 PCI Express Baseboard, 1xBF4FXO and 1xBFBridge and 4xBFFXXCable 4 FXO (BF4004FXOE)

The beroNet 400 BF4004FXO PCI Express 4 FXO Baseboard (BF4004FXOE) is a powerful and flexible hardware solution to connect ISDN (BRI,PRI) and GSM lines to any SIP based VoIP system. This is not a Gateway and it is not a standard PCI / PCI express card where you have to install any drivers, therefore we call it a “Gatewaycard”. Due to the special design of the hardware will be detected as a standard Realtek-Network card by the operating system. Usualy the driver for this network card will be loaded automatically by the OS. The only thing you have to do is to set up the IP-address before you can access the web interface which is very easy to use. The card series has a modular concept and supports the following hardware DSP based Voice-Processing features:

ï¿½ G.168 / G.165 Echo cancellation with echo path change detection, up to 128ms
ï¿½ Codec translation: G.723.1 and Annex A, G.729a, G.726, G.711u/a
ï¿½ DTMF detection and generation
ï¿½ T.38 fax relay (V.27,V.29 and V.17)
ï¿½ SIP over TCP with SRTP and TLS (available Q4 2009)
ï¿½ Hardware Conferencing (available Q3 2009)
ï¿½ DSS1, EuroISDN conform (features set: COLP, CFU/CFB, CFNRY ...)
ï¿½ Q.SIG Basic-Features set: CNIP, CNIR, CONP
ï¿½ PCM Bus interconnection between cards to enable hardware bridging for transparent voice, data and Fax transmission via optional PCM-Bus cable. (available Q4 2009)
ï¿½ This Product Includes BF400E, BF4FXS

The card series consist of a baseboard and the so calledLineInterfaces. Each baseboard can carry up to two LineInterfaces. The base boards are available as PCI or PCI express cards with the following channel densities:

ï¿½ 400 (4 - 16 channels)
ï¿½ 1600 (16 - 64 channels)
ï¿½ 6400 (64 - 120 channels)

Comparison Table

Media Function
400 Max. Channels
1600 Max. Channels
6400 Max. Channels

G.711 incl. HW EC

16

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64

128

G.726 incl. HW EC

4

16

64

G.729 incl. HW EC

4

16

64

G.723 incl. HW EC

4

16

64

T.38

4

16

32

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The following Lineinterfaces are available and can be plugged on the card series.

ï¿½ BF4S0, 4 Port BRI module
ï¿½ BF1E1, 1 Port PRI module
ï¿½ BF2E1, 2 Port PRI module
ï¿½ BF1GSM,1 Port GSM module (available Q4 2009)
ï¿½ BF2GSM,2 Port GSM module (available Q4 2009)

Additionally to the baseboard and the LineInterfaces the following accessories are available for the card series:

ï¿½ bf4S0Bridge (to use all 4 RJ45 slots on a baseboard with one bf4S0)
ï¿½ bnTAdapters (to connect 2 BRI Lines on 14 RJ45 slots)
ï¿½ bnPCM Cable (to interconnect baseboards)
ï¿½ bnE1Crosscable (to connect E1 ports to other systems)

Due to the modular concept you can mix PRI, BRI and GSM ports on onecard with full above mentioned features which makes the cards very unique.

Please Enquire