

## Digium HB8 Hybrid Analog BRI PCI Express Card



Product Name: Digium HB8 Hybrid Analog BRI PCI Express Card

Manufacturer: -

Model Number: 1HB8-0440BF

**Please Note:** This product has been discontinued. Please see Digium Cards for an alternative.

**Availability:** In Stock

**Digium HB8 Hybrid Analog BRI PCI Express Card**

The Digium HB8 Series are versatile devices used for connecting to the PSTN. This is accomplished with analog lines connected to trunk (FXO) interfaces, analog handsets connected to station (FXS) interfaces, and digital lines connected to ISDN BRI interfaces.

The Digium HB8 Series supports all three types of connectivity on a single card through the use of Digium's specialized telephony modules for FXO, FXS, and BRI. Used in conjunction with Asterisk, the Digium HB8 series cards can deliver a wide range of voice applications including IP PBX, VoIP Gateway, IVR platform, Conference Bridge, Voicemail, and more.

**Target Applications**

• VoIP Gateways

• SMB Phone Systems

• Analog/Digital Converters

• PC-based PBX

Like Digium's analog and single-port PRI cards, the Digium HB8 cards utilize Digium's VoiceBus technology. VoiceBus technology allows the Digium HB8 cards to use an industry standard bus-mastering PCI Express interface, as found in millions of PCs worldwide, to maximize system compatibility and eliminate system conflicts. Additionally, the Digium HB8 cards can improve voice quality in troublesome echo situations with its support for Digium's G.168-compliant 128ms cancelling VPMADT032.

The Digium HB8 Series are half-length, full-height cards supporting Digium's existing single-port FXS (S110M) and FXO (X100M) modules as well as Digium's existing quad-port FXS (S400M) and FXO (X400M) modules. New with the release of the Digium HB8 cards is Digium's B400M four-port EuroISDN S/T module. The B400M sets a new standard for BRI connectivity in the Asterisk market with its support for software-selectable mode (NT or TE) and line termination.

The B400M requires no jumpers for operation, regardless of mode or termination.

The Digium HB8 is available in universal PCI-Express x1 format as HB8.

**Digium HB8 PCI Express Technical Specifications**

**Interface Specifications**

• Configurable Modes

• EuroISDN TE PTP/PTMP

• EuroISDN NT PTP

• Loopstart FXS & FXO

• PCI Interface

• Single PCI-Express - Autosense compatibility with 5V and 3.3 V PCI-Express busses

• Fully PCI-Express compliant, compatible with all commercially available motherboards, proper sharing of PCIe interrupts

• Extended Bus Latency Mitigation

**Hardware Echo Cancellation (optional)**

• 128ms (1024 taps) of G.158 echo cancellation per B-channel

**Hardware Requirements**

## Digium HB8 Hybrid Analog BRI PCI Express Card

• ½ 500-MHz Pentium III or better with 64MB of RAM  
• ½ Available PCI-Express x1 Slot - HB8

### Other Technical Specifications

• ½ 165mm x 107mm for use in restricted chassis  
• ½ Half-length, full height  
• ½ Temperature range: 0°;-50°C  
• ½ Up to 8 Ports of BRI are supported. Mix TE and NT modes, as required. Change modes and termination in software  
• ½ High quality, tested 2.1m 4-pin RJ45 port to 4-pin RJ11 adapter cables included with BRI modules  
• ½ Intelligent hardware: Field downloadable and upgradeable - FPGA programming  
• ½ Power: HB8 base card 455mA peak  
• ½ Optimized DMA stream and hardware0level HDLC handling unload the host CPU

### Warranty

• ½ 5-year parts and labor and Exceptional Satisfaction Policy

### Certification

• ½ FCC Part 15 Class B, FCC Part 68, CE, TBR3

**Price: £905.80**

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Options available for Digium HB8 Hybrid Analog BRI PCI Express Card :

### **Echo Cancellation Module**

- Not Required -, Echo Cancellation Required (+£165.10).

### **FXS Modules Required**

- Not Required -, 1 x Single FXS (+£28.80), 1 x Quad FXS port (+£115.10), 2 x Quad FXS ports (+£274.10), 2 x FXS ports (+£57.60), 3 x FXS ports (+£86.30), 5 x FXS ports (+£165.80), 6 x FXS ports (+£194.60).

### **FXO Modules Required**

- Not Required -, 1 x Single FXO (+£30.90), 1 x Quad FXO port (+£123.50), 2 x Quad FXO ports (+£246.00), 2 x FXO ports (+£61.80), 3 x FXO ports (+£92.70), 5 x FXO ports (+£153.90), 6 x FXO ports (+£184.80).

### **BRI Modules required**

- Not Required -, 4 x BRI ports (+£249.50), 8 x BRI ports (+£499.00).