



**SB-HD100/SB-HD1000/SB-HD10000**

## Open Standards Based Platform for Voice Mixing/Audio Conferencing

### Wide-band Voice Quality

Let us introduce you to the first real-time voice appliance that supports 16 kHz voice quality delivering an unparalleled user experience. Conduct your conference calls, distance learning, real-time multimedia applications, and multi-user gaming applications in the fullest most robust sound quality available. The SB-HD100/1000/10000 uses the popular HD codecs to deliver wideband audio that exceeds that of traditional phone calls by utilizing a wider range of the audio spectrum including iSAC and AMR.WB (G.722.2).

### Highly Customizable

The SB-HD100/1000/10000 enables service providers and enterprises to deliver conference services and applications that were once cost prohibitive. Preset modes such as reservationless conferencing are installed on each appliance and can be easily tailored to meet business needs. Whether you need to provide a specialized call flow for a new business opportunity or advanced features such as real-time conference control from your application. The SB-HD100/1000/10000 makes it easy. There are three SB-HD models to choose from starting with a 100 port entry level system in a 2U chassis and 10000 port system all within a single Compact PCI chassis.

### Standards Based

Built using Asterisk and WYDE's custom software-based media processing module, the SB-HD100/1000/10000 provides unsurpassed flexibility without sacrificing performance. The SB-HD100/1000/10000 leverages thousands of users and developers in the worldwide Asterisk™ community to ensure a stable and open platform.

### Unparalleled Value

Low-cost and flexibility do not mean a compromise in reliability. The SB-HD100/1000/10000 is field tested with our conferencing partners and internally tested by our conferencing experts and proven testing methodology. It also includes other ground breaking features:

- Instantaneous active speaker update
- Real-time conference control via SIP
- Web service API for integration with 3<sup>rd</sup> party applications or sites

### Capacity

- 100-10000 concurrent G.711 calls or up to 7000 iSAC calls per chassis
- Number of participants in a conference and number of conferences is limited only by the number of available ports

### Media Support

- Wyde-band-G.722, G.722.1, G722.s (AMR-WB), iSAC, SILK
- Narrow-band-G.711, G.729, iLBC (additional codes available upon request)

### Operational Features

- Easy to change AEL based call-flows
- Preconfigured call-flows include:
  - Free and authenticated conferences
  - Operator assisted conferences
  - Recording and playback
  - Mute/Hold participant or group of participants
  - Lecture style conferences
  - Entry/Exit tones
  - Custom greetings
  - Roll call
  - Question & answer sessions
  - Dial out
- Active speaker notification via CSSRC
- Web Services API for integration with the customer web and applications
- RADIUS support
- Billing adapters for custom integration with the existing billing systems
- Advanced jitter buffer and packet loss concealment (NetEQ)
- AGC for each participant
- DTMF support RFC 2833
- High availability of equipment and software
  - All hardware units are redundant
  - Proactive software and hardware monitoring



## SB-HD100/SB-HD1000/SB-HD10000

### Protocols Supported:

- SIP; IAX; MGCP
- SDP
- RTP; Secure RTP

### Physical/Environmental:

- 2U Rack-mountable chassis
  - Full size, single slot PCI cards
  - Dual redundant 10/100 BASE-T via RJ45 connector per DSP board
  - Dual redundant 1 Gbe RJ45 for the host
  - Dimensions:
    - 29.31" (74.4cm) D x 17.5" (44.43cm) W x 3.4" (8.64cm) H
  - Weight:
    - 50.71 lbs (23 kg), maximum configuration
- Operating temperature: +10° to +55° C
- Relative Humidity: 10-90%, non-condensing

### Power Requirements:

- SB-HD100 – 1000 – 750W  
AC input: 100-240V (50/60Hz)  
DC input: -37.4 to -60V
- SB-HD1000 – 2360W  
AC input: 240V (50/60Hz)

### Management:

- Web admin
- Command-line
- SNMP

- High Availability Blade Server (SB-HD10000)
  - 10U modular enclosure holds up to sixteen half-height blade servers
  - Dual redundant 1GB switches
  - 6 (redundant N+N) hot plug power supplies
  - 9 hot pluggable, redundant fan modules
  - Dimensions:
    - 29.7" (75.4cm) D x 17.6" (44.7cm) x 17.3" (44.0cm) H
  - Weight:
    - Empty Chassis only – 98 lbs (44.5 kg)
    - Chassis w/ all rear modules (IOMs, PSUs, CMCs, KVM) – 176 lbs (79.8 kg)
    - Max Fully loaded w/ blades and rear modules – 394 lbs (178.7 kg)

## Contact Us

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