Astribank™ Channel Bank for Asterisk® Data Sheet

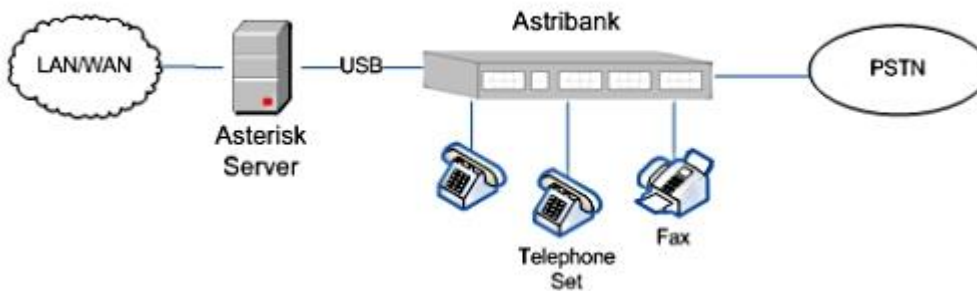## *Astribank is a USB channel bank especially designed for Asterisk Open Source PBX systems*

Astribank USB channel bank extends the functionality of Asterisk-based IPX systems.
Astribank connects to the Asterisk IP-PBX server via USB 2.0, thus eliminating the need for an intermediating PCI (the solution used by other channel banks).
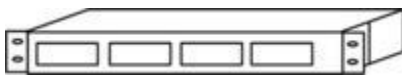Click here to see a comparison between Astribank and legacy channel banks.

Architecture

Mechanical Design

The internal design of Astribank is modular, offering a wide variety of FXS, FXO, BRI ISDN and I/O port combinations. Click here to see a table of available port combinations. Use our product configurator wizard to design the best telephony system to match your requirements.

Astribank Rack Mount

Astribank Wall Mount

Multiple Astribank units may be connected to a single Asterisk server using different USB 2.0 ports, a USB 2.0 hub or USB 2.0 PCI card.

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Telephony

Maximum number of built-in analog ports	32
Maximum number of E1 / T1 ports	16
Maximum number of BRI ISDN ports	8
Maximum number of telephony modules	4
Maximum number of telephony ports	480
Supported Xorcom telephony modules	• 8 FXS ports • 8 FXS ports + I/O ports • 8 FXO ports • 2 FXO ports, 6 FXS ports + I/O ports • 6 FXO ports, 2 FXS ports • PRI/R2/CAS supporting up to 16 ports • BRI ISDN supporting up to 8 ports

Software

Astribank's driver has been included as an official part of Zaptel (now DAHDI) since release 1.2.4 (Feb. 2006), making Astribank integral with Asterisk systems. Today Astribank is tested with Debian and CentOS 5.

Hardware

Echo Cancellation Module	Voice enhancement & echo cancellation (optional)
Analog Lines Fail-over Kit	In case of power outage or an Asterisk malfunction, up to six analog PSTN lines are routed directly to predetermined analog extensions (optional and model-specific)
I/O Ports	Input/Output ports for Asterisk peripheral device support (optional and model-specific)

Environment

Storage temperature	-20° to 70° Celsius (-4°-158° F)
Working temperature	0° to 40° Celsius (32°-104° F)
Humidity	20%-95%, non condensing

Specifications may change without prior notice.

TwinStar™ - Full and Automatic PBX Redundancy

This optional high availability solution for Asterisk-based PBX systems provides automatic detection of server failure and immediate switching of all telephony functions, including telephony interfaces, to a back-up server within seconds. All Astribank models are capable of supporting TwinStar functionality, which is activated via software license. See our Web site for more information.