

Astribank™ Channel Bank for Asterisk® Data Sheet

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

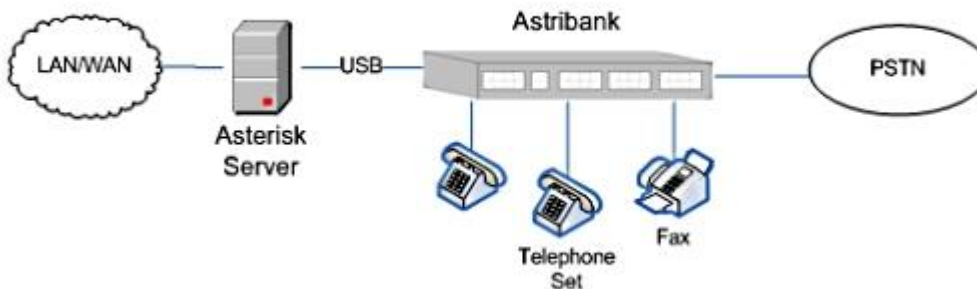
Astribank USB channel bank extends the functionality of Asterisk-based IPX systems.

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.](#)

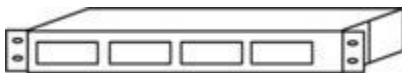


Architecture



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.

Telephony

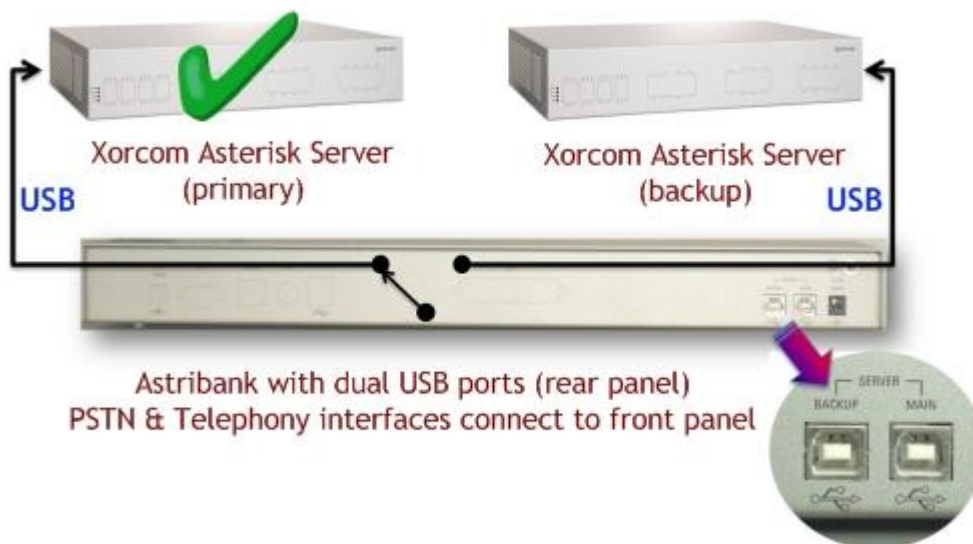
Maximum number of built-in analog ports	32
Maximum number of E1 / T1 ports	4
Maximum number of BRI ISDN ports	8
Maximum number of telephony modules	4
Maximum number of telephony ports	54 (E1 PRI/R2 + 24 analog ports)
<u>Supported Xorcom telephony modules</u>	<ul style="list-style-type: none"> • 8 FXS ports • 8 FXS ports + I/O ports • 8 FXO ports • 2 FXO ports, 6 FXS ports + I/O ports • PRI/R2 supporting up to 4 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, CentOS 5 and trixbox (CentOS 4).

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 2 models are capable of supporting TwinStar



functionality, which is activated via software license. [See our Web site for more information.](#)

The Astribank channel bank, using its dual-USB port feature, connects to both the primary and the backup server. Its firmware mechanism constantly checks the status of the server, and reverts all telephony to the back-up server in case of primary server failure.