DVX–8050 XStack Gateway

DVX-8050 is a USB channel bank especially designed for D-link DVX9000 PBX systems

DVX-8050 USB channel bank extends the functionality of Asterisk-based IPX systems.

DVX-8050 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).

Architecture

Mechanical Design

The internal design of DVX-8050 is modular, offering a wide variety of FXS, FXO, BRI ISDN and I/O port combinations.
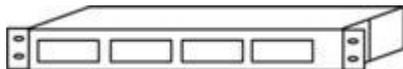
DVX-8050 Rack Mount

Multiple DVX-8050 units may be connected to a single DVX server using different USB 2.0 ports, a USB 2.0 hub

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

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

DVX-8050 driver has been included as an official part of Zaptel (now DAHDI) since release 1.2.4 (Feb. 2006), DVX-8050 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 DVX-8050 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

Full and Automatic PBX Redundancy

This optional high availability solution for DVX-9000 series Enterprises 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 DVX-8050 models are capable of supporting Redundancy functionality, which is activated via software license.

> Two DVX 9000+ dual-USB DVX9050

DVX 9000*(primary)*   DVX 9000*(backup)*

USB   USB

LAN/WAN   PSTN/E1

SIP Trunking

IP Phones