



DVX-9000

xStack IP Telephony

## IP PBX Asterisk<sup>®</sup> Based

### SAVE COST

Save money by using Internet Phone Service, integrates well with known ITSPs, connect to your office on the Go

### MODULAR & SCALABLE

Expand your existing analog telephony infrastructure, supports modular analog and digital interface & features SIP/IAX trunks.

### SIMPLE INTEGRATION

Provides user-friendly administration interface and is flexible to integrate with third-party software - Asterisk API

### IP TELEPHONY

The DVX-9000 is an Intel-G850<sup>®</sup> based Asterisk<sup>®</sup> IP PBX. The DVX-9000 features Elastix<sup>™</sup> Asterisk distribution with various combinations of telephony ports. The device can be equipped with up to 32 analog ports, or 4E1 ports. The DVX-8000 supports up to 800 PSTN Analog phones ports with external Gateway units. It can handle up to 800 users and up to 300 concurrent calls.

Internet IP telephony, also called Voice over IP (VoIP), is defined as the transport of telephone calls over the Internet as standard Internet data packets. Internet telephone calls can originate from traditional phone handsets via phone line-to-Internet (Analog Trunk) gateways, by PCs using software, or embedded devices (IP Phones). Most of the interest in Internet telephony is motivated by cost savings and ease of developing and integrating new services. Internet telephony integrates a variety of services provided by the current Internet and the Public Switched Telephone Network (PSTN) infrastructure.

The DVX-9000 offers all of the essential telephony features required for medium to enterprise businesses. Features such as call forwarding, call hold, follow me, and voice mail. Incoming calls are directed by the integrated auto-attendant and hunt groups to assist callers to their destinations. It can utilize standard phone lines via an external phone line gateway or cost effective Internet telephony services.

### EXTENSIONS ANYWHERE

The DVX-9000 supports up to 800 extensions, which can be located anywhere with Internet access. Multiple units can be used to increase the number of extensions or unite a company that has many locations under a single PBX system.

### EASY WEB CONFIGURATION

The PBX phone features are user adjustable via the DVX-9000's web configuration tool. The administrator assigns each extension a profile of telephony features, which allows the best match for a user's job function. Each user can fine-tune their assigned profile via the web to match their daily business schedule.

### FULL AND AUTOMATIC PBX REDUNDANCY

DVX-9000 series IP PBX system provides automatic detection of server failure and immediate switching of all telephony functions, including telephony interfaces, to a back-up server within seconds. An optional Redundancy functionality can be activated using an software module this is not shipped along with the system but its available on request.

### KEY BENEFITS OF THE DVX-9000:

#### AS PBX:

- Configurable as core IP or hybrid PBX.
- Switches calls & Manages routes.
- Connects callers with the outside world over IP/analog (POTS) and digital connections.

#### AS GATEWAY:

- Configurable as media gateway.
- Bridges legacy PSTN to the expanding world of IP telephony.
- Conversion between a wide range of communications protocols and media codecs.

#### AS MEDIA/FEATURE SERVER:

- Provides IVR and Conference Bridge.
- Automated attendant and unified messaging.
- Can replace aging legacy voicemail systems.

#### IN CALL CENTER:

- Features built-in ACD systems.
- Additional remote IP agent capabilities.
- Advanced skills-based routing.

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D-Link UAE	+971-4-880-9022
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D-Link Morocco	+212-663-727-324
D-Link KSA	+966-1-217-0008
D-Link Nigeria	+234-1-8536-769
D-Link Pakistan	+92-51-2800-397-98 +92-21-454-8158, +92-21-454-8310
D-Link Kenya	+254-20-434-3202/3/4

### PROTOCOL STANDARDS

- Protocol Standards
- SIP (RFC 3261)
- SDP (RFC 2327)
- RTP (RFC 1889)
- RTCP (RFC 1889)
- Out-Of-Band DTMF (RFC 2833)
- IAX2 (RFC 5456)

### MANAGEMENT FEATURES

- 800 extensions
- Supports 300 concurrent calls
- Single IP PBX supports multiple users across multiple sites
- Add external Analog Trunk Gateways to use standard phone-lines
- Save Money by using Internet Phone service (VoIP)
- User-Friendly Administration Interface
- Web-based Monitoring and Administration
- Call Statistics and Call Detail Records (CDR)

### CALLING FEATURES

- Business Calling Features
- Caller ID
- Call Transfer (Blind Transfer and Assisted Transfer)
- Call History
- Call Hold
- Do Not Disturb
- Call Forwarding (Always/ on Busy/on No Answer/ Follow me)
- Call Park
- Ring Group
- Call Pickup

### IVR/AUTO-ATTENDANT FEATURES

- Music on Hold
- Configurable IVR Menu
- Voice Mail
- Mailbox Access control (PIN)
- Configurable Mail Box
- Notification via email

### SOFTWARE

- Asterisk - 11.5.0-0
- Elastix - 2.4.0-2
- Free-PBX 2.8.1-17

### HARDWARE

- Processor: Intel G850 2.9GHz
- RAM: 4GB
- Hard disk: 320 GB 2.5"
- USB: 4 external USB 2.0 ports
- DVX-9000/M/E has a built in expansion module (8010)

## TECHNICAL SPECIFICATIONS

### CONFIGURATION

- Secure Web Based Management (Elastix GUI and FreePBX)
- Configuration Backup/Restore

EXPANSION MODULES & INTERFACE CARDS	
DVX-8010	Expansion module for DVX-9000 for maximum 4 modular interface
DVX-8020	8 port FXO module for DVX-9000
DVX-8030	4 port PRI module for DVX-9000
DVX-8040	8 port BRI module for DVX-9000
DVX-8025	8 port FXS module for DVX-9000



### PHYSICAL ENVIRONMENT

Power Input	
Power supply	Internal
Voltage	Switching, auto-adjust 110/120 Volts, 50/60z
Power consumption	230 Watts (maximum)
Built-in grounding connection	
Environment	
Storage temperature	-20 to 70 Celsius (-4 - 158 F)
Working temperature	0 to 40 Celsius (32 - 104 F)
Humidity	20%-95%, non condensing
Dimensions & Weight	
Size	19" 2U industry standard rack-mountable chassis
Weight	8 Kg 18Lbs (weight depends on configuration)

