

Model Name:

D-Link DVX-7090

Version 1.5

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Revision History

Version	Revised Date	Author	Content Revised
1.00	15/03/2006	Victor Kolosov	Draft initiate
1.01	20/06/2007	Victor Kolosov	Second release
1.03	27/09/2007	Dmitry Tcheban	Last release

Product Briefs:

D-Link IP PBX is a private branch exchange telephone system created specifically for SOHO/SMB offices. The system is designed as a single-box solution that fulfills all communication needs of SOHO and SMB.

D-Link IP PBX is based on MERA SIPrise platform and has distributed modular architecture. D-Link IP PBX provides a complete range of legacy telephony services and carries out a number of additional functions:

- Call Hold
- Call Transfer
- Call Forward (Conditional and Unconditional)
- Conference calling (3-way conferencing in the current version)
- Voicemail
- DISA
- Call Pick Up

Supported VoIP protocols

- H.323 v.2
- H.245 v.7
- H.225 v.4
- SIP
- RTP/RTCP
- T.38

Supported AAA protocols

- RADIUS

Supported codecs

- G.729, G.729A, G.723.1 5.3 kBit/s, G.723.1 6.4 kBit/s, G.711 mU-Law, G.711 A-Law

Capacity

- Up to 90 concurrent calls per system
- 3 way conferencing: up to 5 concurrent conferences
- System capacity in codec conversion mode – 10 concurrent calls

1. Product Features

1.1 Hardware Features

Item	Feature	Detailed Description
1	CPU	VIA Eden 1GHz
	Chipset	VIA CLE266 VT8623/VT8235
	BIOS	Award BIOS
	Memory	One 184 pin DDR DIMM, 256Mb
	Network interface	Four Realtek RTL8139C+, support 10/100Mbps Ethernet with four external RJ-45 Connectors
	SSD	CompactFlash TypeII Socket 512Mb
	I/O Interface	One DB-9 RS-232 connector
	Expansion Slot	One PCI and One Mini-PCI slot
	RTC	Internal RTC with LI battery
	Power	Internal open fram 108W Switching Power Supply, Input range 115V AC 60Hz ;V 230V AC 50Hz
	Form Factor	19" 1U Rackmount
	LED Indicator	1*Power, 1*Status, 4*LAN speed 10/100Mbps, 4*LAN link/Active
	Operating Temperature	0 °C - 40 °C
	Storage Temperature	-20 °C - 70 °C
	Humidity	5% - 95% RH, non-condersing
	Chassis Material	Steel
	Dimensions (WxDxH)	426 X 375 X 44 mm
	Net Weight	3.4 KGS
	Certification	CE, FCC CLASS A

1.2 Software Features

Item	Feature	Detailed Description
1	VoIP Protocols	
		H.323v2
		H.245v7
		H.225v4
		SIP
		RTP/RTCP
		T.38
		SDP
		SIP/H.323 protocol conversion
		RTP Repacketizer
		Built-in SIP registrar
		Built-in H.323 Gatekeeper
2	Security	
		MD5 Authentication for SIP
		Secure Administrative and User Access for configuration
3	Authorization and Accounting Protocol	
		Call Statistics and Call Detail Records in CSV format
		RADIUS Authorization
		RADIUS Digest Authentication using RFC4950
		RADIUS Accounting
		RADIUS interim support
4	Support Codecs	
		G.729
		G.729A
		G.723.1 5.3 Kb/s
		G.723.1 6.4 Kb/s
		G.711 mU-Law

		G.711 A-Law
		GSM 06.10-FR
		Codec converter
		G.729 G.729A G.729AB compatibility
5	General	
		Concurrent Calls Supported
		Conferencing
		System Capacity
6	Call Features	
		Caller ID
		Call Transfer
		Call Hold
		DISA (Direct Inward System Access)
		User authentication by Ext/PIN (Impersonate)
7	Advanced Call Features	
		Call Forwarding - Always
		Call Forwarding - On Busy
		Call Forwarding - On No Answer
		Call Forwarding - Unavailable
		Call Pick Up
		Group Call
		No Proxy call
		Call Waiting
		Call Park
		Time dependant forwarding
		Time dependant routing
8	Fax support	
		Fax2email
		Picture2fax (sending pictures to fax)
9	Prompts customization	
		Admin prompts configuration
		User prompts configuration
10	VoiceMail	
		Voice to email gateway
		Customizable Greetings
		Notification via Email
11	Failover support	
		Redundant Active/Standby configuration

		Automatic database replication
		Automatic Active/Standby switchover in case of Active failure
12	Management	
		Secured Web-based Management (HTTPS)
		Console CLI (Support use only)
		Secured user CLI (telnet) for administrative usage
		Configuration Backup/Restore
		Software Upgrade
		Logs generation
		Web based logs management
		System Upgrade
		Online users and gateway status
		On the fly outgoing registration change
		Active Calls Monitoring
		Admin password reset
13	User Interface	
		Web Based user interface
		Personal telephony agent