OpenVox

IX-240
Unified Communication Server

OpenVox IX240 Datasheet

OpenVox IX240 is a standard 19" 1.5U appliance. It allows users to integrate up to 2 pieces of OpenVox PCI-E telephony interface cards, with any combinations of FXS/FXO, BRI, E1/T1/J1, GSM/WCDMA or transcoding interfaces.

With intel Quad Core processors, IX240 IPPBX can easily handle 600 concurrent calls and up to 1000 users. To bring you clear, high fidelity and high definition audio/video calls, IX240 can easily integrate with abundant HD voice and video codecs.

The IX240 supports comprehensive protocol conversion, including SIP, IAX2 protocols in IP side and BRI, PRI, SS7, R2, GSM, WCDMA in CPE side. Taking the full advantages of open source platform, the IX240 will be preloaded with Elastix®, Issabel, Ombutel, PBX in a Flash, FreePBX IPPBX software.

Typical Applications

- Optional Pre-loaded Free Open Source IPPBX System
- Combination of FXS/FXO, BRI, E1/T1/J1, GSM/WCDMA Interface
- PRI/SS7/R2 to SIP Gateway
- PRI/SS7/R2/BRI/FXS/FXO Signaling Converter
- PRI/SS7/R2 TDMoE Gateway
- Flexible Applications Selection (IPPBX or Firewall)

Safety and Reliability

IX240 is a risk-free solution with built-in Redundant Power Supply (RPS) and Uninterruptible Power Supply (UPS) that keeps your system and data away from damage or lost caused by unexpected power failure.

The optional hardware RAID 1 support provides better data backup for your system. When RAID1 is installed, thus users can see the status of the storage devices and be alerted when HDD is crashed, then simply replace a backup HDD ASAP.

Combination Options

- A400E/(E)810E/(E)1610E/(E)2410E
- B100E/(E)200E/(E)400E
- D(E)130E/(E)230E/430E
- G410E

Except A400E,B100E, G400E and G410E, all compatible cards can be applied together with EC module.

IX240 supports combination of two cards for example:

- A(E)1610E + B(E)400E
- D(E)430E + B(E)400E
- D(E)430E+A(E)2410E
- D(E)430E + A(E)1610E
- A(E)810E + A(E)810E
- G410E + G410E

Features

- G711 (alaw/ulaw), G722, G723.1, G726, G729, GSM, ADPCM, iLBC, H263, H263P, H264
- SIP and IAX2 support
- Incoming and outgoing routes
- Support paging and intercom
- Web-based operator panel
- DISA (Direct Inward System Access)
- Call detail record (CDR) report
- Billing and consumption report
- Call recording
- Voicemail
- Conference
- Echo canceller
- Call parking
- Callback support
- Call queues
- Support PIN sets, time conditions
- Channel usage report
- Flexible and configurable IVR

- Mail server with multi-domain support
- Based in Postfix for high email volume
- Remote SMTP Module
- Web based email client
- Antispam support
- Support mail relay
- Email list management
- Fax to email application
- Fax visor with downloaded PDFs
- Can be integrated with Winprint Hylafax
- Fax send through Web Interface
- Fax to email customization
- Access control for fax client
- Network configurator
- Configurable server date, time and timezone
- DHCP server for dynamic IP
- Access control to the interface based on ACLs
- VoIP provider configuration
- Support follow-me, ring group, video-phones

Specifications

IX240	
Max Analog Ports	48
Max BRI Ports	8
Max E1/T1/J1 Ports	8
Max GSM/WCDMA Ports	8
Users	Unlimited
Max VoIP Trunks	Unlimited
Max Concurrent Calls	600 Concurrent Calls with G.711 Codec, 200 Concurrent Calls with G.729 Codec
Protocol	SIP (RFC3261), IAX2
Transport Protocol	UDP, TCP, TLS, SRTP
Codec	G711 (alaw/ulaw), G722, G723.1 G726, G729, GSM, ADPCM, iLBC, H263, H263P, H264
DTMF	In-band, RFC2833, SIP INFO
IP Services	Static IP, DHCP, VPN, Firewall, PPPoE, Bridge
Firewall	Yes
T.38 Fax	Yes
CPU	1.83GHz Intel(R) Celeron(R) N2930
RAM	Up to 8GB DDR3L 1333
Storage	MSATA SSD and 2.5 or 3.5 inch SATA HDD
RAID	Yes (Optional)
Mini PCI-E	1
NIC	2* 10/100/1000M
UPS	Yes (Optional)
Power Supply	100-240V AC
Redundant Power Supply	Yes (Optional)
Display	VGA
LCD Display	Yes
USB	2
Power Consumption	~7.5W (Minimum Power Dissipation)
Operating Temperature	0°C to 50 °C
Storage Temperature	-40 °C ~ 125 °C
Humidity	10 ~ 90% NON-CONDENSING
Dimension	440*370*66.7mm
Net Weight	3.75Kg
Warranty	2 Years