

## VoIP-440S

### SIP VoIP Gateway



The AirLive VoIP-440S is a very cost effective, highly reliable Voice over IP (VoIP) gateways that offer toll quality voice and real-time fax data over IP networks. With its integrated IP sharing router, so users use one Internet line for both voice or data function.

Supporting SIP protocol in proxy mode. The VoIP-440S is compatible with Cisco ATA-186 and most proxy service around the world. It has been tested with the most popular proxy services including FWD(freeworld dialup), IPtel, Snomag.de, Addaline.com, BellLab, and MCI.

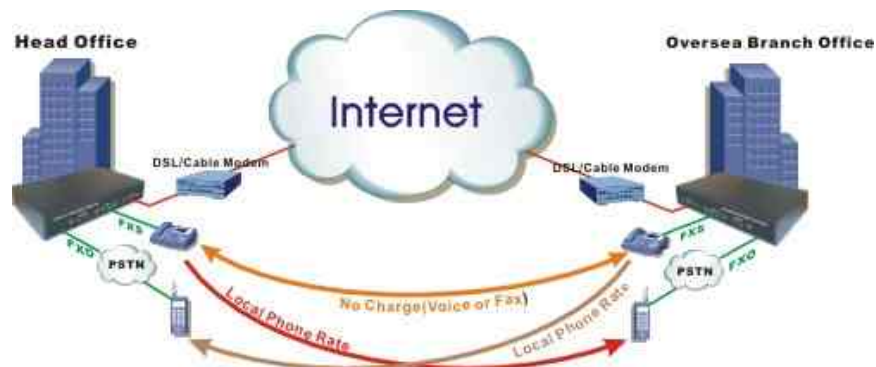
VoIP-440S comes with four FXS ports to connect with a phone or fax, turning your regular phone into an IP phone. To make configuration more convenient, in addition to the WAN port, it also features a configuration port with DHCP server support. So you can plug in your PC and get IP automatically for easy Web configuration.

Buy the VoIP-440S today and enjoy free IP Telephony instantly.



\*The gateway does not have router function.

FXS: The FXS ports connect to your ordinary telephone or FAX. Through your telephone or FAX, your can dial out through the gateway to other VoIP gateway or IP Phone.



\*The FXS port works with analogue telephone standard only.  
If you have ISDN phone line or digital PBX, separate digital to analogue converter is required.



## Specification

### CPU

- DSP & Control Processor
- System On Chip (SOC)
- MIPS-X5 unified RISC and DSP core (up to 180 DSP MIPS)
- 384K bytes on-chip RAM, 16-way
- Interleaved with single cycle access
- 16-K byte cache
- Low power, 1.8V core voltage, 3.3V I/O voltage
- 2M bytes flash memory

### Call Control Protocol

- Compliant with SIP v2.0 (RFC 3261)

### Voice Function

- Compression algorithms: ITUG. 711, G.723.1, and G.729A/B.
- Hybrid echo cancellation G.168 (16 ms)
- Auto switch between Fax and voice
- DTMF tone detection/regeneration
- Comfort Noise Generation (CNG)
- User programmable Call Progress detection/generation
- Voice Activity Detection (VAD)

### Control Processor

- 32-bit ARM7TDMI core
- 8K byte unified cache
- 4K words Write buffer
- Embedded on-chip Ethernet MAC with associated BDMA
- Local 2M x 16 SDRAM and 1M x 16 Flash

### I/O Standard

- 1 x 10/100-BaseTX RJ-45 Configuration port
- 1 x 10/100-BaseTX RJ-45 WAN port
- 4 x RJ11 interfaces for FXS

### Management Tools

- Web Management
- TFTP and flash memory for remote software download and upgrade

### Fax Facsimile protocol:

- Facsimile protocol (option): T.30 Group 3, T.38
- Modulation formats: V.21, V.27ter, V.29, V.17
- Real-time fax over IP
- DTMF tone detection/regeneration

### Environment & Power

- Operating temperature: 32 to 122 F (0°C to 50°C)
- Operating humidity: 10% to 95% (non-condensing)
- Storage temperature: 14 to 140 F (-10 to 60°C)
- AC-to-DC power supply (12VDC, 100-240 VAC, auto-ranging, 50-60 Hz.)

### EMI

- CE
- FCC part 15 A

## Ordering Information

**eLive VoIP-440S** SIP VoIP Gateway with 4 FXS ports