

**A**ctiontec Electronics extends its VoIP product line with a new generation of VoSKY Exchange, a family of PBX-to-Skype gateways that enable businesses of all sizes to make and receive free and low-cost long-distance and international calls over the world's largest Voice over Internet Protocol (VoIP) network using standard desk phones.

The VoSKY Exchange 91xx is rackmountable and can add up to eight outgoing Skype lines to the office PBX without changes to existing PBX or phone equipments. Multiple Exchange boxes can be set up in company offices in different cities to enable free calls between colleagues. Calls to other Skype users are free, while calls to non-Skype users are charged at low-cost SkypeOut rates.

### Skype Trunking for your PBX

Skype is the world's largest VoIP network with over 130 million users, and the VoSKY Exchange seamlessly connects Skype to your existing PBX/KTS phone system. This PBX add-on enables every phone extension in the office to make and receive Skype calls without any changes to existing PBX equipments, phones or user PCs, yielding major savings on both domestic long-distance and international calls.



### Works with almost any Analog or IP PBX

A major advantage of the VoSKY Exchange is its seamless integration with existing analog or IP PBX phone systems. Businesses are able to preserve the investment in their existing phone systems while enjoying the cost savings and flexibility of Skype without a major forklift in equipment.

### Easy to Use...No End User Training Required

After installation, anyone in the office can access a Skype line. Just pick up the phone and press a preset number (888, for example), and the VoSKY Exchange finds an open line. And, since Exchange routes Skype calls through the office PBX, calls are now made and received through existing office phones.

### 4 Simple Ways to Reduce Your Communication Costs

- Reduce the number of Telco POTS lines you have by replacing them with Exchange/Skype lines.
- Create a Voice Intranet with Exchange/Skype for FREE intra-office calls between locations.
- Encourage partners & suppliers to use Skype for FREE calls to and from your company.
- Reduce 1-800 costs with Web-based Click-to-Dial using Exchange/Skype.

### Other benefits include:

**Lower phone bills for employees and callers**, with free calls between Skype subscribers anywhere in the world and SkypeOut rates as low as 2 cents per minute to locations as far away as the UK, Russia, China, and Australia and up to 37 countries/regions.

**No need to use headsets for Internet calls**, because all inbound and outbound Skype calls are routed through users' regular phones.

**Rapid return on investment**, with no costly infrastructure upgrades, replacements, or training. Payback is possible in a few weeks' time through the savings realized on long-distance and international calls.

### New features in the VoSKY Exchange 9140/9180 include:

**Remote user access**, enabling employees who are out of the office to make Skype calls over the company's VoSKY Exchange system by dialing the main company number and an access code from any landline or mobile phone.

**Global call transfers over the Skype network**, enabling anyone in the company to transfer incoming landline calls to any phone number or Skype ID, inside or outside the corporate office. Calls can be transferred at no cost to employees in other offices equipped with Exchange or their own Skype accounts, and to employees' mobile phones or other non-Skype handsets at SkypeOut rates.

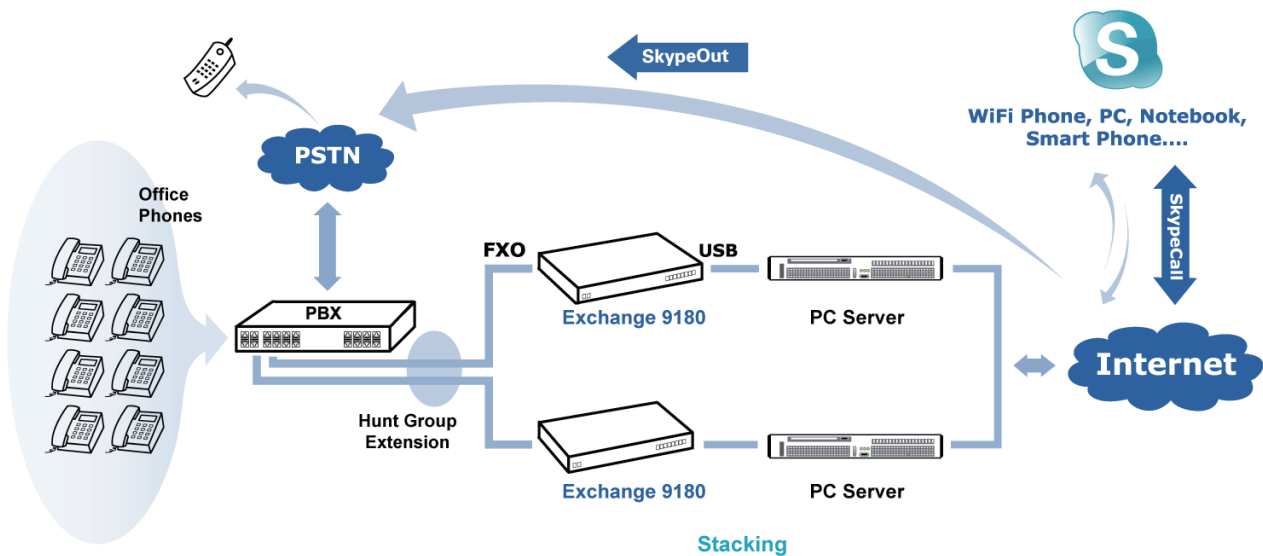
**One virtual global phonebook with global extension**, eliminating the need for users in different Exchange-equipped company locations to dial their respective PBX numbers and extensions or direct dial numbers to reach each other. Calls between offices can now be made simply by entering a location code and extension.

**Line-side (FXO) connectivity to the PBX**, replacing the trunk-side (FXS) connection required in earlier models. This simplifies installation because it is more common for PBXes to have open station ports than open trunk ports, and it also cuts costs if all ports are in use by allowing the addition of line cards instead of more expensive trunk cards.



### Features

- World's first Skype certified FXO PBX-to-Skype gateway to support 4/8 concurrent calls
- Company Skype ID mechanism complies with the traditional dialing format of your company
- Programmable and easy to manage public, private and intra-company phone books using speed dials
- Single Desktop allows you to manage all Skype lines on a single desktop
- Call Log for inbound and outbound calls
- Rackmountable and stackable, supporting up to 16 concurrent Skype lines
- Call progress tone generation & detection
- Digital Echo Cancellation technology provides high quality duplex calls
- Programmable, inbound/outbound, Auto-Attendant voice announcements
- Supports Skype features: Skype Call, SkypeOut Call, Skype Button
- Provides up to 7-digit Speed-dial key and enormous phonebook
- Firmware/Software online update mechanism which automatically checks for software and firmware updates every 24 hours
- Call Overflow Forwarding: Redirect an incoming call to a designated destination when all lines are busy.
- Troubleshooting awareness: Skype Status Detection, Skype Crash Detection, USB Unplug Detection, Line Locking Detection
- Plug & Play
- VNC web administrations for remote control
- SkypeOut Credit Low Balance Notification
- Exchange System Log
- 100+ country/region tone cadence and a customizing facility
- Polarity Reversal Detection
- SkypeOut Smart Dialing with digit manipulation to conform to PSTN standards
- Value-added Service
- Global extension allows business with multiple locations to create a global numbering plan which unifies different offices dialing plans
- Line Probe Utility for automatic detection of PBX telecom parameters (Dial Tone, Ring Tone, Congestion Tone, and Busy Tone) and line locking resolution
- VoSKY Voice Recording Utility: Easy and simple recording interface.



### Technical Specifications

<ul style="list-style-type: none"> <li>● <b>System</b> <ul style="list-style-type: none"> <li>- 48 MHz 16 bit RISC CPU per Port</li> <li>- USB 1.1 Full Speed Device (compatible with USB 2.0)</li> <li>- USB Audio Device Class 1.0</li> <li>- USB HID 1.0</li> <li>- Linear audio signal support: 16-bit mono linear PCM audio in 8KHz sampling rate</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>PC Interface</b> <ul style="list-style-type: none"> <li>- 1/2 USB ports (series B receptacle)</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>Telephone Interface</b> <ul style="list-style-type: none"> <li>- 4/8 FXO Ports (RJ-11 modular jack) connecting to Analog Extension ports of PBX</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>LED Indicators</b> <ul style="list-style-type: none"> <li>- 4/8 LED green indicators (Ready)</li> <li>- 4/8 LED red indicators (In Use)</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>Power Supply (Power adaptor)</b> <ul style="list-style-type: none"> <li>- Input: 100V~240V AC, 50/60Hz</li> <li>- Output: 12V DC, 3.33A</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>Accessories</b> <ul style="list-style-type: none"> <li>- 1/2 USB cables, 110 cm</li> <li>- 4/8 RJ11 cables, 180 cm</li> </ul> </li> </ul>

<ul style="list-style-type: none"> <li>● <b>Physical Outlook</b> <ul style="list-style-type: none"> <li>- Dimension: 430mm x 150mm x 45mm (1U, 1.75inch)</li> <li>- Weight: 1500g/1782g</li> <li>- Color: black</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>FXO Port</b> <ul style="list-style-type: none"> <li>- Supports Auto Attendant (Tone or Voice Greeting)</li> <li>- PSTN/FXS Polarity Reversal detection</li> <li>- Provides busy tone detection of PBX extension port, as well as two more PSTN lines</li> <li>- Auto Gain Control (AGC)</li> <li>- Call Progress Tone Generation/Detection: Dial Tone, Busy Tone, Ring Back Tone, Ringing Cadence, Congestion Tone</li> <li>- Inbound/Outbound DTMF Relay</li> <li>- DTMF detection/generation</li> <li>- Line echo cancellation</li> <li>- Caller ID (FSK Type I, DTMF) detection</li> <li>- Full Duplex Voice Channel</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>Environment</b> <ul style="list-style-type: none"> <li>- Operation temperature: 0°C - 55°C</li> <li>- Operation humidity: 0% - 70%</li> <li>- Storage temperature: -20°C - 70°C</li> <li>- Storage humidity: 0% - 95% (non-condensing)</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>Certification</b> <ul style="list-style-type: none"> <li>- FCC, CE, DGT, CCC</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● <b>Warranty</b> <ul style="list-style-type: none"> <li>- 1 year</li> </ul> </li> </ul>

### Minimum System Requirements

- **PC Server**
  - Exchange 9140: Intel Core 2 Duo Processor E6400 or faster,
  - Exchange 9180: Intel Core 2 Duo Processor E6600 or Intel XEON 3060 or faster;
  - 1GB RAM, 400MB free HD space; CD-ROM drive;
  - 1/2 free USB 1.1 or 2.0 port
- **OS:** Windows XP Professional+SP2
- **Application:** Skype v2.0 or 2.5 (recommended)
- **Internet connection:** Dedicated Broadband
  - Exchange 9140: Downlink ≥ 1 Mbps, Uplink ≥ 128 Kbps
  - Exchange 9180: Downlink ≥ 2 Mbps, Uplink ≥ 256 Kbps
- **PBX:** 1~8 Analog Extension Ports with Call Forward on Busy or Extension Hunt Group Features

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