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Lower Your Business Telephone Bill with Skype on your PBX/Phone System!!

Actiontec VoSKY Exchange Skype Gateways connect your PBX Phones to SKYPE!!

Make unlimited calls for only \$1.97/mo per line on your CURRENT business PBX/Phone system!!

Your Ultimate Gateway to Skype...

VoSKY® EXCHANGE 9140/ 9180

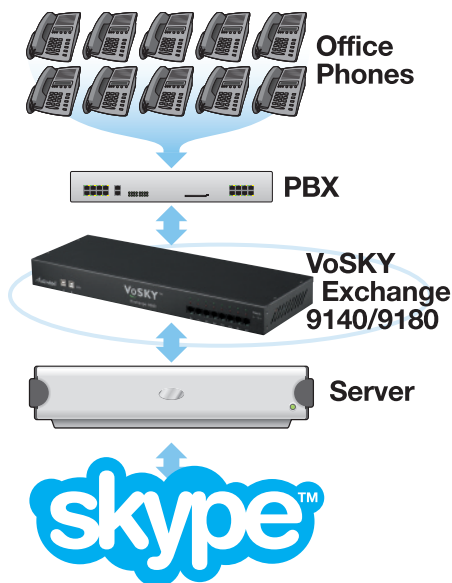
Extend Your PBX to the Skype World

Actiontec 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 equipment. 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 equipment, phones or user PCs, yielding major savings on both domestic long-distance and international calls.



Model # 9180 above & Model # 9140 below

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 (8, 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.

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.

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.



VoSKY Exchange 9140/9180

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.

Connect Multiple Offices Around the World!



VoSKY Exchange 9140/9180

Other Features:

- Supports 4 or 8 inbound and/or outbound calls concurrently
- Automatically finds a free line/port for the incoming or outgoing Skype call
- OFFHOOK or ONHOOK detection
- Busy tone and call progress generation or detection to prevent line locking
- Provides SkypeOut Smart Dialing with Digit Manipulation to conform to PSTN standards
- Call overflow forwarding: Redirect an incoming call to a designated destination when all lines are busy
- Excellent sound quality
 - Gain Control
 - Echo Cancellation
 - Dynamic Jitter Buffer
 - Digital Echo Cancellation
 - Line Echo Cancellation
- Centralizes all Skype activities to a single computer, simplifying account management, usage and billing
- Programmable public, private and intra-company phone books using speed dial features
 - Works with Skype & SkypeOut Speed Dial
 - Supports up to 10,000 pre-programmed speed-dial numbers
 - Each dialing code can be up to 7 digits in length
 - Able to remotely configure the speed-dial phone book
 - Personal Phonebook: Allows users to create and manage their own phonebooks
- Programmable, Inbound/Outbound, Auto-Attendant Voice Announcements
- Works with the existing PBX to provide other telephony features such as Call Transfer, Call Pickup, Call Hold, Call Waiting, Conference Call... etc. (PBX dependent)
- Rackmountable and stackable, supporting up to 16 concurrent Skype lines
- Software auto-detects new revision and generates a popup window on the computer screen
- Troubleshooting:
 - Skype Status Detection
 - Skype Crash Detection
 - USB Unplug Detection
 - Line Probe Utility for Line Locking Detection and Resolution
- Notification on troubleshooting and SkypeOut credit amount
- Call log for inbound and outbound calls
- Remote access via VNC web administration
- System Log
- Skype Features Supported
 - SkypeCall
 - SkypeOut
 - Skype Button
- Supports NAT Transversal (based on Skype)
- Supports Proxy Server (based on Skype)
- Polarity Reversal Generation Supported
- Supports tone cadence for over 100 countries/regions, as well as offering customizable settings

VoSKY Exchange 9140/9180

Technical Specifications

Features	Descriptions
Main System	Integrated 4 ARGO SE402 (48MHz 16 bits RISC Processor) USB 1.1 Host Controller (compatible with USB 2.0) USB Audio Device Class 1.0 USB HID Class 1.0 Audio: 16-bit mono linear PCM audio in 8 KHz sampling rate
PC Interface	Exchange 9140 1 USB Port (Type B Connector) for PC connection Exchange 9180 2 USB Ports (Type B Connector) for PC connection
Telephone Interface	4 or 8 FXO Ports (RJ11 Modular Jack)for PBX analog FXS extension ports (depending on model) The PBX should support “hunt group” feature on the Extension (FXS) ports.
PBXs Supported	Works with most PBXs
Power Consumption	4.5 ~ 5.5 V DC per port, supplied through the USB port Operating Current: Typical 130 mA per port, Peak (Ringing at 2 REN) 400 mA per port
FXO Port	Supports Auto Attendant (Tone or Voice Greeting) PSTN/FXS Polarity Reversal Detection Provides busy tone detection of PBX Extension port, as well as two more PSTN lines Auto Gain Control Call Progress Generation/Detection: Dial Tone, Busy Tone, Ring Back Tone, Ringing Cadence, Congestion Tone LEC (Line Echo Cancellation): Support in Software layer (Filter Driver) Full Duplex Voice Channel: Support Inbound/Outbound DTMF Relay Caller ID (FSK Type 1, DTMF Detection/Generation) Detection
Environmental	Operating Temperature: 0° C ~ 55° C Operating Humidity: 0% ~ 70% Storage Temperature: -20° C ~ 70° C Storage Humidity: 0% ~ 95% (Non-Condensing)
Certifications and compliance	CE FCC: Part 15B, Class B DGT JATE MIC CCC IC
Warranty	1 year

Minimum System Requirements

- PC Server:
 - 9140: Intel Pentium IV 3.2 GHz or Faster
 - 512 MB RAM
 - 1 Free USB 1.1/2.0 Port
 - 400 MB free HDD space,
 - CD-ROM Drive
 - 9180: Dual-core Intel Xeon Processor 3050 (2.13 GHz) or Faster
 - 1 GB RAM
 - 2 free USB 1.1/2.0 Ports
 - 400 MB free HDD space
 - CD-ROM Drive
- OS: Windows XP Professional with SP2
- Application: Skype v2.0 or v2.5 (recommended)
- Internet Connection: Dedicated Broadband
 - 9140: Data rate Downlink ≥1 Mbps, Uplink ≥128 Kbps
 - 9180: Data rate Downlink ≥2 Mbps, Uplink ≥256 Kbps
- PBX Analog Extension Lines: 4 (8 for 9180) (The PBX should support “hunt group” feature on the Extension (FXS) ports)

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