

AbovEdge™

One-Box, One-Architecture IP-PBX



AbovEdge™ is a customizable IP-PBX with Auto Attendant, Voice Mail, Call Conferencing and fully integrated VoIP functionality which could extend the Office to anywhere in the world; colleagues could call each other by just dialing extension; remote worker can work at home using IP phone/ Softphone, Its nature of One-Box Applications and One-Architecture Mix-Match-Migrate makes it a solid cost effectively platform for growing small businesses, multi-site office communications, contact center applications and many other vertical market applications like office hotelling, web enabled Conference, automatic notification system for medical office, etc.

Our Competitive Advantage

Mix, Match, Migrate

A Co-Existence of VoIP with existing Legacy PBX vs. Total Replacement to IP-PBX concept that could not be addressed by the single-speciality IP Telephony vendors. With TeleSynergy's solution, customers will NOT have to sinking in a major capital investment by throwing away all of their existing PBX, or being offered a temporary solution (VoIP gateway) without a migration path for future growth.

Hardware Innovation

A hardware design team to produce creative solutions that competitors do not have: embedded stackable IP-PBX that can be scalable from 3 to over 1000 extensions per chassis, "expansion box" to extend and increase the capacity of analog extensions and trunks available to the compact IP-PBX box, and embedded VoIP gateway packed with intelligent call routing, NAT traversal and proxy capabilities for companies to enable their legacy PBX with VoIP technology.

Full-feature yet Customizable

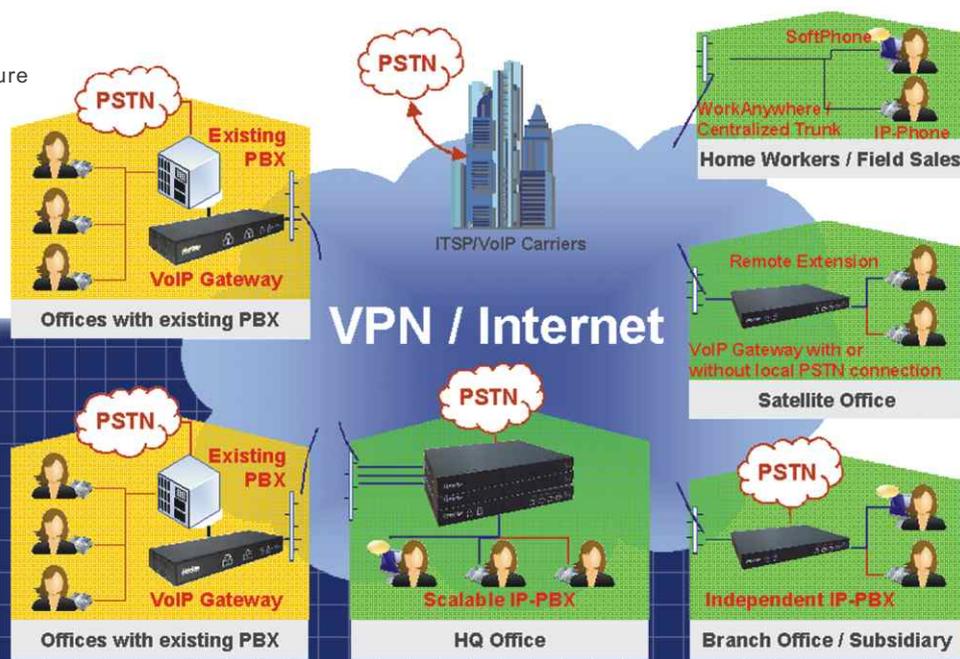
A reality that all the IP-PBX new comer faced. It just takes time for developers to understand all the needs and complexity hidden in the 800 plus operation features legacy PBX had.

VoIP, VoIP, VoIP

An effort the Computer Telephony old school cannot keep pace with. Its architectural difference makes a turnabout of product development un-achievable with TDM old timer.

Global embedded cost structure

AbovEdge is backed up by TeleSynergy's global design, manufacturing, and supporting infrastructure. Hardware engineer in Hsin-Chu Science based Park, Taiwan, Software engineer in Taiwan, Silicon Valley, and India, and supporting engineer all over the areas. This global cost structure enables us to provide very affordable product and support for small and medium sized Businesses.



One-Box Applications, One-Architecture Mix-Match-Migrate

AboveEdge offers:

- A single, scalable hardware/software architecture and platform addresses the needs of the entire SMB (3-1000 phones per AboveEdge package.)
- An architecture that fully exploits the promise of SIP and the ability to separate the signaling and media streams. We have an architecture that balances the flexibility and scalability of an IP (soft)-switch-based platform, with the efficiency of legacy (circuit)-switch-based platform, when circuit-switching is appropriate.
- Single or distributed points of management, depending on customer desire.
- A single user interface across the entire product Mix.
- A stackable system architecture in which multiple appliances interoperate seamlessly to meet design requirements ranging from small to large sites; from single to multiple or telecommuter sites; from pure IP to IP integrated with legacy phone systems, PBX, or PSTN; from VOIP gateway to full-fledged IP-PBX.
- Distributed processing effects efficient utilization of CPU/Processor power.
- Support for legacy analog phones.



BENEFITS

APPLICATIONS

Contact Central

AboveEdge's Contact Central allows inbound calls to be handled efficiently so the caller is connected to the information or person they want as quickly as possible. It also facilitates seamless outbound dialing; all users within the company could make phone calls to colleagues located anywhere in the world just by dialing their extension numbers; to anyone outside the company without changing their dialing habits, yet the calls will be made through the most appropriate route to help the company minimize its telephone bill, or provide a backup route for emergency.

- **Built-in Auto Attendant/IVR (Interactive Voice Response)**
- **Assign different Call Menu to each trunk/DID Number, at specified time segment**
- **Direct dial to extension**
- **Self service without phone trap**
- **Least cost routing with destination group assignment and second route backup**
- **One dial plan for inter-office-communication**

Advanced Voice Mail

AboveEdge includes an integrated, feature packed voice mail system providing for a virtually unlimited number of permanent or guest users. It has an advanced voice prompted user interface for simple management of our powerful capabilities.

- **Visualize and manage voice message as the way you manage your E-Mail from desktop or cell phone**
- **Message notification**
- **Caller ID call back (Boomerang)**



ReachMe Control

ReachMe control allows you control which calls reach you while in the office, out of town, in the car or at home. You can also route incoming calls to a series of phone numbers and devices, ensuring that you get the message no matter where you are. Fortimes that you would rather not be reached, simply activate the Do Not Disturb function and incoming calls will be routed to voice mail without ringing your phone.

- One number follow me
- Ring all at once
- Message notification and caller ID callback
- Caller ID screening
- Do not disturb

Conference Central

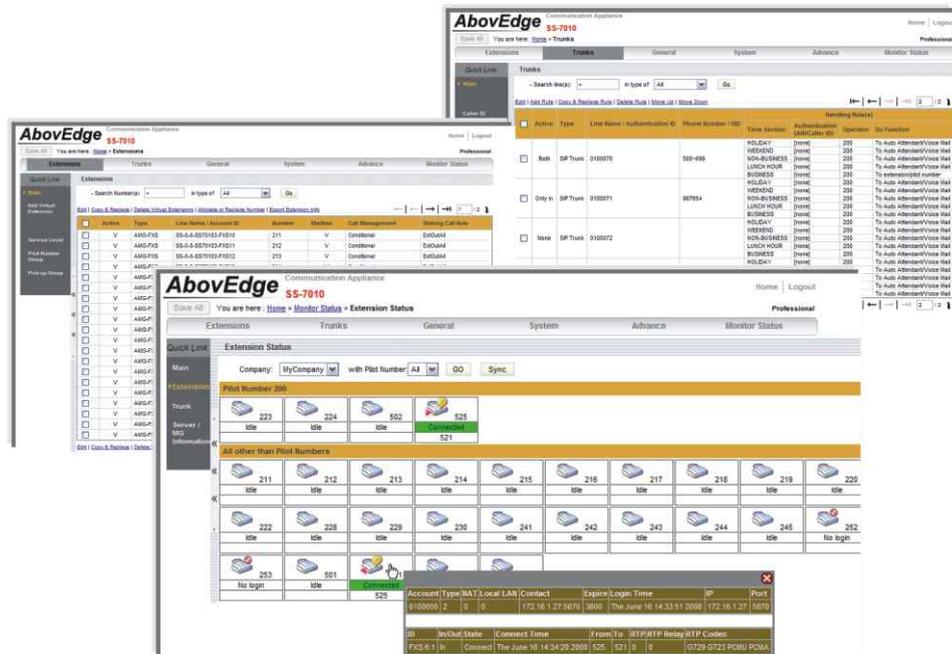
A Conference-in-a-box solution that links Extensions, Trunks, and VoIP provides companies with the most sensible and economical method to make conference calls. The conference function operates like a chat room, participates just walk in (call into) the conference room, no longer you have to invite attendees one by one.

- Across region audio conference with calls made through landlines at home, cell phones, office desktop phones, or IP phones Softphones
- Web conference (option)

AdminFree Central

AdminFree Central provides administrators with a powerful and easy-to-use browser-based interface to remotely manage and configure the system, changing or deleting users and phones, setting toll restrictions, and making system wide changes.

- Self-help system management
- Remote setup and configuration: Move, Add and Change
- Dynamically revise system greetings by phone set
- Adapt to the way your business operates
- Ease of mind stability
 - > System configuration and voice mail files backup
 - > Basic disaster recovery services
 - > Local survival
 - > One source total solutions, no integration hassle
- Protect your investment
 - > Multi-level phone set device support
 - > Easy and economically add new applications
 - > Mix-Match-Migrate



SS-5000 series

AboveEdge SS-5000 series is a single box All-in-One IP-extension focused IP-PBX. This series can have up to 50 SIP extensions, supports FXO/SIP/T1/E1/PRI trunks; it can also work with analog VoIP gateway to expand FXO port. AbovEdge SS-5000 series is specifically designed for SMB which prefers to use IP extensions. Being a family member of AbovEdge's open and scalable system, AbovEdge SS-5000 could be upgraded to multi-chassis CS-8000 series to accommodate company growth.

SS-7000 series

AboveEdge SS-7000 series is a single box All-in-One analog-extension focused IP-PBX. This series can have up to 30 analog extensions, supports FXO/SIP/T1/E1/PRI trunks. AbovEdge SS-7000 series is specifically designed for SMB who prefers to keep analog extensions. Being a easily scalable system, AbovEdge 7000 could also be upgraded to multi-chassis CS-8000 series to accommodate company growth.

CS-8000 Package

AboveEdge CS-8000 package is a multi-chassis IP-PBX composed of Call Server, VNAT, Voice Response Server and VoIP Gateway (Media Gateway). This Multi-chassis package can have up to 1000 phones per package. With one consolidated user interface to manage all the boxes, this package helps SMB enable centralized management and reduces the cost of system administration and maintenance at each location.

FAMILY

AbovEdge

System Model

Multi-Chassis

All-In-One

Model	
SS-5010	SIP Ext./Trunk, up to 50 Ext.
SS-5011	Analog Trunk + SIPExt./Trunk, up to 50 Ext.
SS-5020	SIP Ext./Trunk, up to 50 Ext.
SS-5030	Partial T1/SIP Ext., up to 50 Ext.
SS-7010	Analog Ext./Trunk, SIPExt./Trunk, up to 29 Ext.
SS-7030	T1/E1 Trunk Analog Ext. SIP Ext./Trunk Up to 35 Ext.

Model	
CS-8010+MV-6216	Analog Ext./Trunk SIP Ext./Trunk Up to 50 Ext.
CS-8010+MV-6416	T1/E1 Trunk Analog Ext./Trunk SIPExt./Trunk Up to 100 Ext.
CS-8010+MV-6432	Analog Ext./Trunk SIP Ext./Trunk Up to 100 Ext.
CS-8010+MV-6140	T1/E1 Trunk SIP Ext./Trunk Up to 200 Ext.
CS-8010+MV-6040	SIP Ext./Trunk Up to 200 Ext.
CS-8050+MV-60128	SIP Ext./Trunk Up to 1000 Ext.

System Feature

Trunk

- FXO/T1/E1/ISDN
- PRI/SIP trunk interface options
- Trunk grouping
- Flexible time section, day/night, holiday setup
- Trunk line and time section based Incoming Call Handling, Operator Setup
- On-line day/night mode switch
- Working day switch
- Least cost routing
- Toll restriction setup
- Auto trunk access
- DID direct dial to extension
- Private line
- Talk time limit setup

Extension

- FXS/IP/Softphone/WiFi extension interface options
- Virtual extension
- Pilot number group
- One phone, many numbers
- One number, many phones
- On-line extension number relocation
- On-line extension enable/disable
- Extension number query

Auto Attendant

- Flexible time section, day/night, holiday setup
- Trunk line and time section based greetings
- Search by name

- On-line day/night mode switch
- Working day switch
- Multiple greeting language setup
- On-line greeting recording

Call function

- Call hold/retrieval
- Local park/unpark
- Remote park/unpark
- Call waiting
- Attend/Unattend Call Transfer
- Call forward
- Answer Call for Colleague
- Conference
- Transfer caller to AA
- Transfer caller to voice mail
- Leave message directly
- Pilot group log in/out
- Extension log in/out
- Music on hold
- Wake-up call
- On-line feature code query

Call management

- Personal call management
- Do not disturb
- One number follow me
- Call management for no answer
- Call management for busy
- Caller number authentication
- Assist operator
- Operator group setup: hunting, round robin, ring down

Voice mail box

- Personal greeting
- On-line greeting recording
- Message notification
- Message waiting indicator
- Voice mail as e-mail

- Message Number announcement
- Message auto Saving
- Message playback sequence setting
- Forward message
- Return call
- On-line change Password
- Mail box size setting
- Message time stamp and length announcement

VoIP

- Multi-location PBX
- Remote trunk access
- Live link recovery
- Local survival
- SIP trunk concurrent call control
- NAT traversal

System management

- First digit assignment
- Call status monitor
- Web based user interface for system administrator
- Personal Web user interface for call management
- Database backup
- CDR report
- Live line while power-off
- One Architecture Expansion

Hardware

- Input Voltage: 100V~240V AC
- Operating Temperature: 0 to 45
- Storage Temperature: -20 to 75
- Humidity: 20% to 90% non-condensing
- Dimension: 438mm X 333mm X 44mm (W/D/H)

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