

GALLANTWEB

WEB

GallantWEB delivers Converged VoIP and DATA Solutions to Small and Medium Enterprises

The emergence of the Internet has revolutionized the way businesses communicate. We utilize this tool daily for basic business correspondences, business proposals, quotations and designs. Now with the advent of VoIP and SIP (Session Initiation Protocol) technology, traditional telephone network and data network have begun to converge into a single network. Forest research estimates that by 2008, the majority of Key systems and TDM PBX on the market today will be replaced by the IP PBX and the traditional analog telephones will be replaced by the IP (or SIP) phones.

Gallantry, through years of research efforts, is now releasing the latest IP PBX based VoIP solution integrated with a full suite of DATA solutions that have been the flagship products of Gallantry for the past several years. With the converged solutions, Gallantry is undisputedly the worldwide leader in providing a single solution for both data and VoIP in one easy-to-managed CPE package:

Basic Solutions:

- 1.NAT and Router
- 2.Basic Firewall
- 3.DNS
- 4.DHCP

VoIP Solutions:

- 5.IP PBX

DATA Solutions:

- 6.VPN (IPSec and PPTP)
- 7.Configured Firewall
- 8.Email Server
- 9.AnywhereEmail
- 10.NAS
- 11.WEB/FTP Hosting
- 12.Print server
- 13.Virus Scan

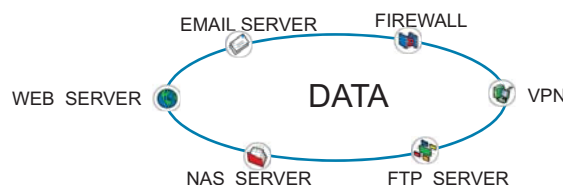
Many different corporations offer individual IT products such as VoIP, VPN, Mail Exchange, and Firewall, but none of the products on the market today are designed with small and medium-sized businesses in mind. Due to the limited engineering and financial resources, these small and medium-sized businesses are not fully utilizing the power of the Internet, leaving them in a vulnerable position against larger competitors.



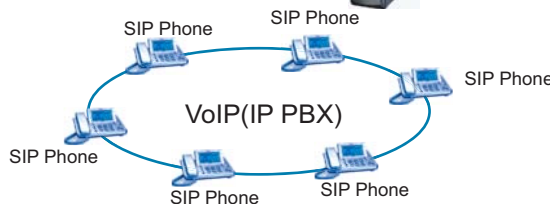
GallantWEB's Flexible Product Line to address Multiple Solutions

Gallantry understands the important needs of these often neglected businesses. GallantWEB is designed with technical novices in mind, enabling untrained office staff members to easily configure and manage essential corporate networking and IT services.

With the limited budget of small and medium businesses, GallantWEB is designed with another important feature that allows the software to be modular in design. Customers need to only purchase required modules and each individual module can be turned on and off with a few keystrokes. For instance, if an existing network already has a VPN, then there is no need to purchase GallantWEB's VPN or it can simply be turned off by the end user.



GallantWEB



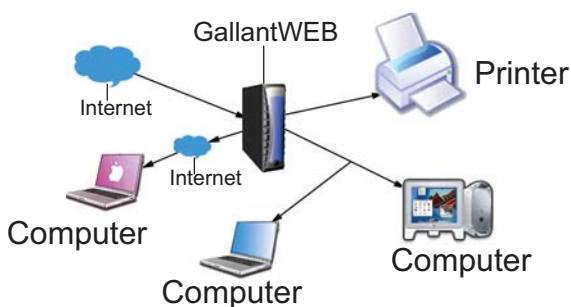
GallantWEB delivers converged VoIP and DATA solutions to small and medium enterprises

Who needs GallantWEB?

Any small or medium size offices:

- That has 2 to two hundreds of employees
- That needs IP PBX for office phones
- That needs to protect the office network from intrusions
- That needs multiple office email boxes and aliases to communicate with outside
- That needs to send and receive large documents through emails
- That has remote users who need a secure access to the office network
- That has multiple locations and needs to link them securely over the Internet
- That needs to publish its own Web site for Internet viewers
- That needs an easy file server so everyone can share files

Basic services



Router

- GallantWEB contains a router so there is no need to buy a separate router. In addition to its supports of two 10/100Mbps Fast Ethernet ports, GallantWEB supports a regular or ISDN modem connection which many routers do not.

Firewall

- GallantWEB comes with a predefined fire wall policy which is very secure and suitable for most businesses.
- Double fire wall technology with both packet filtering and NAT.

DHCP Service

- GallantWEB automatically assigns network configurations such as IP addresses and gateways to all computers on your network.

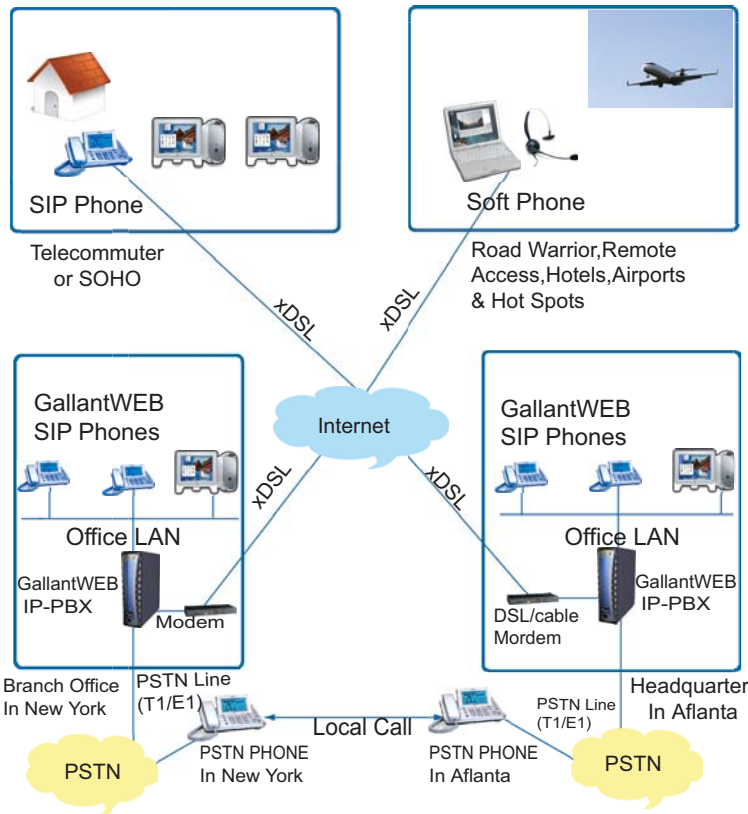
DNS Service

- You can acquire your own Internet domain name, host and manage it without relying on an outside technician or paying a monthly fee to a service provider.

Additional Services

IP PBX

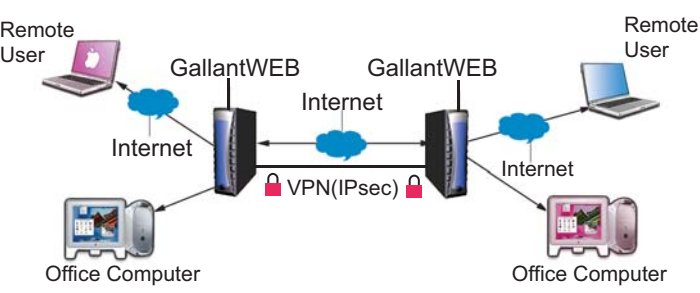
- GallantWEB is a SIP gateway and IP PBX.
- GallantWEB can be deployed as an independent PBX system, as a peripheral to an existing PBX, or with a PBX as a peripheral to the GallantWEB. GallantWEB can connect to other GallantWEB or other standard SIP equipment, either over LAN or WAN.
- Regardless whether GallantWEB receives voice service from a telephony interface or over the WAN, it provides full PBX functionality. Customers obtain these features whether he/she uses a soft phone, an IP phone, or an analog telephone.
- GallantWEB IP PBX features:
 - Voice Mail
 - Voice Recording
 - Unified Messaging
 - Auto-attendant
 - Caller ID
 - Call Forwarding
 - Call Waiting
 - Call Transfer
 - Call Parking
 - Music On Hold
 - Conference Call
 - Speed Dialing
 - Off Premise Follow me
 - Call detail reports
 - Voice retrieval via voice or email
 - Least cost routing
 - Easily configured dialing plan
 - Remote access (Telecommuters and remote offices)
 - Multiple dialing plan per user group
 - Auto-configuration of system and IP phones



GallantWEB Configuration

VPN-IPSec and PPTP

- IPSec-With triple DES encryption(168-bit key), mutiple brance office miles apart can be linked securely over the internet. All the resources can be shared by all desktops as if they were on a single Lan.
- PPTP-Remote users and telecommuters can work securely at home,on the road or away from the office through the internet.



Email Service

- Open and close unlimited email boxes and for everyone in your office instantaneously.
- For security and confidentiality, intranet (internal) emails and attachments never leave the office network.
- Large email attachments(up to 20MB)can be sent and received.

- All incoming emails and attachments can be scanned for viruses before entering your office network (Requires Gallantsentry service).

AnywhereEmail

- Employees can view,send and receive office emails and attachments from any where in the Word using a Web browser.It works like Yahoo! Mail or Hotmail.

NAS Service

- GallanWEB allows you to share files and applications simultaneously among all your network users.Why Spend over a thousand dollars buying a NAS server that takes hours to configure and provides no more capabilities than GallantWEB?

Advanced Firewall

- Gallantweb's advanced firewall comes with both firewall polices which allow the user to control network traffic and prevent hackers
- GallantWEB uses both packed filtering and NAT technology to examine every packet entering the GallantWEB in order to block all attempts from the most malicious hackers.

Web hosting

- GallantWeb allows you to host multiple Web sites With multiile domain names Why not host your Web sites by yourself if you have a high speed internet connection?

FTP Server

- GallantWEB allows file downloading and uploading to anyone via the anonymous FTP service and also allows you to control the access on aper-user basis.

Print Server

- GallantWEB provides Printer sharing service to desktop printers attached to GallantWEB or to arry network printers that support TCP/IP protocol and UNIX printing. Currently GallantWEB supports only desktop printers with a LPT port.

GallantWEB IP PBX Features and Specifications

System Features

- SIP-based IP PBX provides all users with VoIP and PSTN connectivity and PBX functions
- Supports simultaneously all the DATA features: VPN, Email server, AnywhereEmail, VPN, Firewall, NAS, WEB/FTP hosting and Virus Scanning
- Firewall and NAT traversal
- Support wi-fi wireless network
- Support VoIP and TDM hybrid networks

PBX Features

- Voice Mail
- Voice Recording
- Unified Messaging
- Auto-attendant
- Caller ID
- Call Forwarding
- Call Waiting
- Call Transfer
- Call Parking
- Music On Hold
- Conference Call
- Speed Dialing
- Off Premise Follow me
- Call detail reports
- Voice retrieval via voice or email
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- Easily configurable dialing plan
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SIP Features

- Session Initiation Protocol (RFC 3261)
- RTP Payload for DTMF digits (RFC 2833)
- Message Waiting Indication (MWI) for voicemail
- Attended Transfer
- Unattended Transfer
- Negotiation of Codec (RFC 3264)
- Specific Event Notification (RFC 3265)

- Re-INVITE (for call Hold and session updates)
- Call Forwarding (upon receipt of a 302 Moved Temporarily response)
- Do Not Disturb (upon receipt of a 603 Decline response, call is routed to voice mail)
- Configurable RTP and SIP port numbers

Extension and Trunk

- Re-INVITE (for call Hold and session updates)
- Call Forwarding (upon receipt of a 302 Moved Temporarily response)
- Do Not Disturb (upon receipt of a 603 Decline response, call is routed to voice mail)
- Configurable RTP and SIP port numbers

System Capacity

Model SMB

- Up to 100 users (with 4 or 8 analog FXO trunks provided)
- Up to 25 users (with 4 analog FXO trunks provided)

Model ENT

- Up to 200 users (with 1 T1/E1 digital trunk group provided)
- Systems are stackable in N+1 clusters to scale up to 1000s of users

Standard Supported

- Standards include: SIP v2, TCP/UDP/IP, RTP/RTCP, HTTP, ARP/RARP, MD5, ICMP, DHCP, DNS, NTP TFTP protocols. Codecs: G.711, GSM , G.729, G.723, and RFC-2833

Physical Dimension

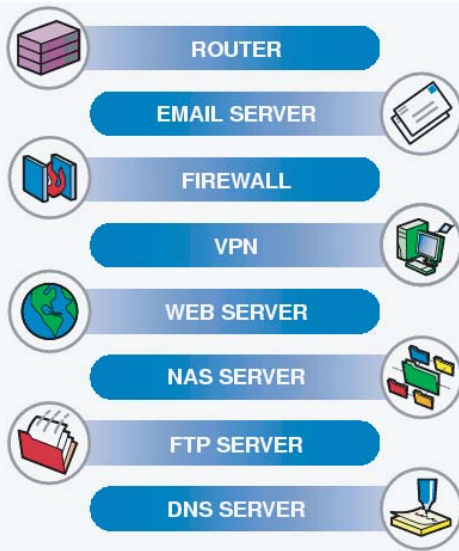
- Dimension (WxHxD):
- 12"x 12 "x 3 "
- Weight: 10 lb
- Internal AC Adapter:
- Input (AC 100~240 V), 200W

GallantWEB Features and Benefits

	Features	Benefits
System Management	Web based user interface	Any office staff can manage
		Network administrators can easily manage any locations remotely from anywhere via web page Interface.
IP PBX	Replace toll charges with free calls through data network	Service anywhere in the world provided that there is an Internet connection. Calls can be made over your data network connection.
	Unified Managing	Voice mail will be converted into an email attachment and sent to the recipient.
	Free IP phone to IP phone calls	Save on long distance charges on calls from IP PBX to IP PBX.
	Off Premise Follow Me	Add phones to your PBX in a remote office, in a home office, or when you are traveling
		As a remote user, receive or make calls normally as in the office, from anywhere in the world.
	Softphone support	SoftPhones can be added to laptops or PCs as a significant convenience and cost savings
	Converged DATA and Voice	Share your office voice and data networks, no longer do you have to maintain independent networks
	Open Architecture	Everything is open architecture. Your investments are future-proof in VoIP SIP technology.
Firewall Traversal	Make and receive phone calls from any public hot spots, hospitality facilities or the majority of any small offices.	
VPN (IPSec and PPTP)	One click connect	Connect two office networks with a single keystroke.
	PPTP Server	GallantWEB is an PPTP server by itself. No need for an NT server or other PPTP server in your network.

GallantWizard Easy Management

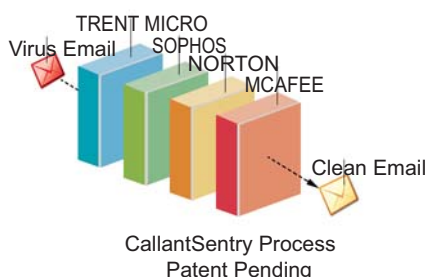
- GallantWizard allows a computer novice to configure and manage GallantWEB in minutes.
- All the user interfaces are browser based. The selections are based on standard defaults and can be made intuitively.
- For any questions, the user can refer to the on-the-spot help manual immediately.



SUBSCRIPTION BASED SERVICE

GallantSentry Anti-virus

- GallantWEB utilizes a patent pending process called Gallant Sentry which scans all incoming email with multiple virus scan software developed by leading anti-virus companies such as McAfee, Norton, Trend-Micro, Sophos and others. The anti-virus software is updated daily to ensure that the latest viruses can be Detected and eliminated before they enter your network.
- By combining all of the leading anti-virus scanning products together and by eliminating the need to install and continuously update individual desktops with anti-virus software, GallantSentry reaches a level of security that before was unachievable.



Specifications:

Internet Connection Requirements

- Any type of internet connection with Ethernet port: DSL/cable modem, Frame relay/ISDN/T1 router, Broadband wireless modem or ethernet port in an office building or co-location data center
- Dial-up Internet connection through an external analog or ISDN modem
- One IP address assigned by the ISP. A static IP address is preferred. A dynamic IP address assigned using DHCP. PPPoE or PPP is supported

Local Area Network(LAN)Requirements

- 10Base-T Ethernet or 100Base-TX Fast Ethernet connected via a hub or switch
- TCP/IP protocol installed on all workstations

Workstations Supported

- Microsoft Windows 95/98/ME/NT/2000
- Apple MacOS 8.x or higher
- Unix, BSD and Linux

Power Requirements

- 100-127VAC 2.5A or 200-240VAC 1.3A;47-63Hz
- Maximum power consumption:90W

Regulatory approvals

- FCC, CE-UL, TUV, VCCCL, NSTL

IPSec VPN Specifications:

Data Encryption

- Triple DES (EDE-CBC) Encryption (168-bit key)

Data Authentication

- MD5 (Message Digest Algorithm 5) 128-bit hash (RFC 1321)
- SHA-1 (Secure Hash Algorithm) 160-bit hash

Key Management

- IKE (Isakmp/Oakley) (RFC 2407-2409, RFC 2412)
- PFS (Perfect Forward Secrecy) Enhanced Security
- Pluto Automated Key Exchange

Packed Filtering

- Divert non-IP Sec traffic
- Firewall

NAT

- Network Address Translation

PPTP VPN Specifications:

Authentication & Encryption

- MSCHAPv2
- MPPE 40/128-bit
- RC 4 Encryption

Networking

- WINS Server

Support Clients

- Windows NT4/2000/XP PPTP Client
- Windows ME/98SE/95 PPTP Client
- Linux PPTP Client