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V.073008



Product Portfolio 2008 H2



Powering communications
with Security



Welcome to Billion



Billion at a Glance

Billion Electric Co. Ltd. (Taiex: 3027, trading as BILLION), founded in Taiwan in 1973, is one of the leading providers of network equipment and power supply products in the Asia Pacific. With the establishment of its Communication Division, Billion has reinforced its commitment to develop next-generation network equipment and Internet access devices to meet the needs of home users, telecommuters, SOHOs and SMBs around the globe. "Powering Communications with Security" stands for Billion's attention to its customers' secure broadband communication needs. Billion defines its user-friendly product range by integrating new technologies into its existing product family, enabling its customers to benefit from Billion's compact design without the need to purchase extra hardware. Billion has received a number of awards for its networking products and has acquired a considerable customer base across Europe, America, the Middle East, Africa and the Asia Pacific. For more information, please visit www.billion.com.



SMB Network Security

To meet the growing demand for network security from SMB markets, Billion has developed its new BiGuard series of iBusiness Security Appliances especially for the SMB market; integrating cutting-edge IPSec VPN, SSL VPN and powerful security features into a user-friendly all-in-one package. The increasing need to manage SMBs' networks by 3rd party System Integrators also inspired Billion to market its Central Management System, which enables professional System Integrators to serve SMBs with value-added technical consulting services. Supported by Billion's dedicated, in-house R&D department, Billion aims to remain at the leading-edge of the industry and to provide SMBs with quality networking products and easy-to-manage but affordable hardware solutions.

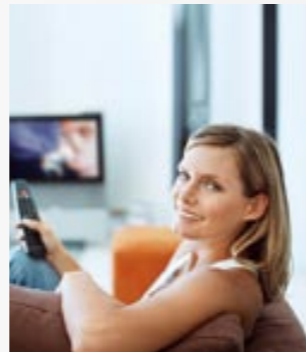
Broadband Sharing

For over a decade Billion has dedicated itself to provide comprehensive networking products ranging from ADSL2/ADSL2+, SHDSL, VDSL2 to broadband routers. Its products are designed to enable the sharing of broadband access, voice, video, and data in homes and businesses around the world. While networking technologies evolve faster than ever, Billion has kept up with the development and rolled out several unique product lines with built-in Firewall, VPN, WPA2, VoIP, and even 3G/HSDPA, as well as various advanced security features.

IPTV Gateways

Service providers are increasingly looking to Internet protocol television (IPTV) as the key to deliver valuable new video services, including video on demand and digital broadcast TV. In response to this growing demand, Billion has developed a series of products with advanced software features which are able to deliver high-quality video content over a broadband network. Software features include IGMP Proxy/Snooping functions, a Quality of Service mechanism, VLAN and ADSL PVC LAN/WAN network configurations. In addition the soon-to-be-released BiPAC 5200 R3 and BiPAC 7402 R3 series will be in compliance with the ADSL2+ Amendment (2005.7), supporting higher INP which enables an even better quality of video delivery by minimizing the effects of impulse noise. To enable IPTV services using these new features, it is necessary for CO DSLAMs to comply with the ADSL2+ Amendment (2005.7). Billion offers a wide range of IPTV compatible products:




- ADSL2+: BiPAC 5200 series, BiPAC 7300 series and BiPAC 74xx series
- ADSL2+ Coax: BiPAC 7402HC series
- ADSL2+ Phoneline: BiPAC 7402HP series
- FTTH: BiGuard 2, BiPAC 8600SM and BiPAC 6404VP series



Honors and Awards



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■ Firewall ADSL2+ Router Series

Residential Users



BiPAC 5200SM

Pocket-size ADSL2+ Modem

- ADSL2+
- Single Ethernet port
- Universal plug-and-play (UPnP)



BiPAC 5200S

Single-port ADSL2+ Modem/Router

- ADSL2+
- Single Ethernet port
- Firewall with DoS prevention and packet filtering
- Universal plug-and-play (UPnP)
- Dynamic Domain Name System
- VPN pass-through
- Supports remote management (*)



BiPAC 5200S R3

Single-port ADSL2+Modem/Router (*)

- ADSL2+
- Single Ethernet port
- Firewall with DoS prevention and packet filtering
- Universal plug-and-play (UPnP)
- Dynamic Domain Name System
- VPN pass-through
- Supports IPTV application
- Supports remote management (*)



BiPAC 5200

ADSL2+ Firewall Router

- ADSL2+
- 4-port switch
- Firewall with DoS prevention and packet filtering
- Universal plug-and-play (UPnP)
- VPN pass-through
- Supports remote management (*)



BiPAC 5200 R3

ADSL2+ Firewall Router (*)

- ADSL2+
- 4-port switch
- Firewall with DoS prevention and packet filtering
- Universal plug-and-play (UPnP)
- Dynamic Domain Name System
- VPN pass-through
- Supports IPTV application
- Supports remote management (*)



BiPAC 7300 RA

ADSL2+ Firewall Router with QoS and EZSO

- ADSL2+
- 4-port switch
- Quality of Service
- Firewall with DoS prevention and SPI
- Easy sign-on (EZSO)
- Universal plug-and-play (UPnP)
- Dynamic Domain Name System
- VPN pass-through



BiPAC 7402L R3

ADSL2+ Firewall Router(*)

- ADSL2+
- 4-port switch
- Quality of Service
- Firewall with DoS prevention and SPI
- Supports IPTV application
- Supports remote management (*)



BiPAC 7800

ADSL2+/Broadband Firewall Router with Gigabit Ethernet LAN

- Dual-WAN - ADSL2+ and Ethernet WAN
- 4-port Gigabit switch
- Firewall with DoS prevention and SPI
- Quality of Service
- Universal plug-and-play (UPnP)
- Dynamic Domain Name System
- VPN pass-through
- Supports IPTV application

(available in Q3, 2008)

(*) Only upon request for Telco/ISP tender projects

Wireless ADSL2+ Router Series



Residential Users



BiPAC 5200G R4
802.11g ADSL2+ Firewall Router

- ADSL2+
- 4-port switch
- VPN pass-through
- Firewall with DoS prevention and packet filtering



BiPAC 5200G R5
802.11g ADSL2+ Firewall Router(*)

- ADSL2+
- 4-port switch
- 802.11g with WPA-PSK / WPA2-PSK
- Firewall with DoS prevention and packet filtering



BiPAC 7300G RA
802.11g ADSL2+ Firewall Router with QoS and EZSO

- ADSL2+
- 802.11g with WPA-PSK / WPA2-PSK
- 4-port switch
- Quality of Service
- Firewall with DoS prevention and SPI
- Easy sign-on (EZSO)
- Universal plug-and-play (UPnP)
- VPN pass-through



BiPAC 5200N
Draft 802.11n ADSL2+ Firewall Router

- ADSL2+
- Draft 802.11n with WPA-PSK / WPA2-PSK
- 4-port switch
- Quality of Service
- Universal plug-and-play (UPnP)
- VPN pass-through
- Supports IPTV application
- Firewall with DoS prevention and SPI
- Wi-Fi Protected Setup
- Supports remote management (*)



BiPAC 7402GL R3
802.11g ADSL2+ Firewall Router(*)

- ADSL2+
- 4-port switch
- Firewall with DoS prevention and SPI
- 802.11g with WPA-PSK / WPA2-PSK
- Wi-Fi Protected Setup
- Supports IPTV application
- Quality of Service
- Supports remote management (*)



BiPAC 7300N
Draft 802.11n ADSL2+/Broadband Router

- ADSL2+
- Draft 802.11n with WPA-PSK / WPA2-PSK
- 4-port switch
- Ethernet port 1 can be configured as a WAN interface
- Quality of Service
- Universal plug-and-play (UPnP)
- VPN pass-through
- Supports IPTV application
- Easy sign-on (EZSO)
- Firewall with DoS prevention and SPI
- Wi-Fi Protected Setup



BiPAC 3010N
Draft 802.11n Wireless USB Adapter

- Compliant with draft 802.11n, 802.11g, and 802.11b network devices
- Supports WEP, WPA, WPA2, 802.1x and 802.11i for WAN security
- USB 2.0 Interface
- Universal plug-and-play (UPnP)
- Supports the most popular Windows and Mac operating systems



BiPAC 3012G
54Mbps 802.11g Wireless USB Adapter

- Compliant with both IEEE 802.11b and 802.11g devices
- Supports WEP, WPA, WPA2, 802.1x and 802.11i for WLAN security
- USB 2.0 Interface
- Universal plug-and-play (UPnP)
- Soft AP function for creating an AP function on your computer
- Supports the most popular Windows and Mac operating systems



(available in Q4, 2008)

BiPAC 7800N
Draft 802.11n ADSL2+/Broadband Firewall Router with Gigabit Ethernet LAN

- Dual-WAN - ADSL2+ and Ethernet WAN
- 4-port Gigabit switch
- Draft 802.11n with WPA-PSK / WPA2-PSK
- Wi-Fi Protected Setup
- Firewall with DoS prevention and SPI
- Quality of Service
- Universal plug-and-play (UPnP)
- Dynamic Domain Name System
- VPN pass-through
- Supports IPTV application

(*) Only upon request for Telco/ISP tender projects

Dual-WAN 3G / ADSL2+ Router Series

What is 3G?

3G is the common name for third-generation digital mobile technology. It offers consistent services delivered via 3G/HSDPA, EDGE, or UMTS mobile telephony protocols. Compared to 1G (analog wireless technology) and 2G (digital radio wireless technology such as GPRS), 3G offers faster data transfer rates up to 14.4Mbps*.

Products & Models	BiPAC 7300GX	BiPAC 7402X	BiPAC 7402GXL	BiPAC 7402GX	BiPAC 7402NXL	BiPAC 7402NX
	3G/ADSL2+ Wireless Firewall Router	3G/ADSL2+ VPN Firewall Router	3G/ADSL2+ Wireless Firewall Router	3G/ADSL2+ Wireless VPN Firewall Router	Draft 802.11n 3G/ADSL2+ Firewall Router	Draft 802.11n 3G/ADSL2+ VPN Firewall Router
ADSL2+	✓	✓	✓	✓	✓	✓
3G supported	3G/3.5G cellular PC card slot *	USB 2.0 Host	USB 2.0 Host	USB 2.0 Host	USB 2.0 Host	USB 2.0 Host
Auto fail-over	✓	✓	✓	✓	✓	✓
Gigabit switch	-	-	-	-	✓	✓
802.11g WPA/WPA2	✓	-	✓	✓	-	-
802.11n WPA/WPA2	-	-	-	-	✓	✓
Wi-Fi Protected Setup	✓	-	✓	✓	✓	✓
Firewall	✓	✓	✓	✓	✓	✓
Quality of Service	✓	✓	✓	✓	✓	✓
EZSO (Easy sign-on)	✓	-	-	-	-	-
IPSec VPN	-	16 tunnels	-	16 tunnels	-	16 tunnels
Target users	SOHO and Office users					

SOHO and Office Users



BiPAC 7300GX

- 3G/ADSL2+ Wireless Router**
- Dual WAN - ADSL2+ and 3G
 - Auto fail-over
 - 3G/3.5G cellular PC card slot for UMTS/HSDPA access
 - Compatible with 3G USB Modems (USB to PCMCIA converter required)
 - 802.11g with WPA-PSK / WPA2-PSK
 - Quality of Service
 - Easy sign-on (EZSO)
 - Firewall features embedded
 - Wi-Fi Protected Setup



BiPAC 7402GXL

- 3G/ADSL2+ Wireless Firewall Router**
- Dual WAN - ADSL2+ and 3G
 - 4-port switch
 - USB 2.0 Host for 3G modem connectivity
 - Auto fail-over
 - 802.11g with WPA-PSK / WPA2-PSK
 - Quality of Service
 - Firewall with DoS prevention and SPI
 - Wi-Fi Protected Setup



BiPAC 7402X

- 3G/ADSL2+ VPN Firewall Router**
- Dual WAN - ADSL2+ and 3G
 - 4-port switch
 - USB 2.0 Host for 3G modem connectivity
 - Auto fail-over
 - Quality of Service
 - Firewall with DoS prevention and SPI
 - 16 IPSec VPN tunnels



BiPAC 7402GX

- 3G/ADSL2+ Wireless VPN Firewall Router**
- Dual WAN - ADSL2+ and 3G
 - 4-port switch
 - USB 2.0 Host for 3G modem connectivity
 - Auto fail-over
 - 802.11g with WPA-PSK / WPA2-PSK
 - Quality of Service
 - Firewall with DoS prevention and SPI
 - 16 IPSec VPN tunnels
 - Wi-Fi Protected Setup



BiPAC 7402NX

- Draft 802.11n 3G/ADSL2+ VPN Firewall Router**
- Dual WAN - ADSL2+ and 3G
 - 4-port Gigabit switch
 - USB 2.0 Host for 3G modem connectivity
 - Auto fail-over
 - Draft 802.11n with WPA-PSK / WPA2-PSK
 - Quality of Service
 - Firewall with DoS prevention and SPI
 - 16 IPSec VPN tunnels



BiPAC 7402NXL

- Draft 802.11n 3G/ADSL2+ Firewall Router**
- Dual WAN - ADSL2+ and 3G
 - 4-port Gigabit switch
 - USB 2.0 Host for 3G modem connectivity
 - Auto fail-over
 - Quality of Service
 - Firewall with DoS prevention and SPI
 - Wi-Fi Protected Setup

(*) The 3G/HSDPA data rate is dependent on your local service provider and your 3G/HSDPA card and modem.



Applications over 3G/ADSL networks

At the desk

Enjoy all the benefits of high-speed ADSL connection right at your desk with the Dual-WAN 3G/ADSL2+ router series, offering a secure computing experience, with an integrated SPI firewall, DoS prevention and other robust security features.



Always-On connection

The auto-failover feature ensures maximum connectivity and minimum interruption by quickly and smoothly connecting to a 3G network in the event that the landline fails. The Dual-WAN 3G/ADSL2+ router series will then automatically return to the ADSL connection when it's restored, reducing connection costs. These features are perfect for office situations where a constant connection is paramount.



In a meeting

The Dual-WAN 3G/ADSL2+ router series' innovative browser-based configuration allows you to quickly and easily set up a WLAN, so when you're at a meeting or training, your guests or participants can quickly and securely access the Internet via a 3G network to retrieve emails, share meeting minutes or training materials with their colleagues.



VPN security

With the integrated IPSec VPN function, the BiPAC 7402X series allows you to establish encrypted connections of up to 16 VPN tunnels over the Internet - so you can access your corporate intranet and transmit sensitive data between branch offices and remote sites anytime; even when you are on the road, thus enhancing productivity.



On public transport

By installing the BiPAC 7300GX, public transport operators can update passengers with real-time weather and event information, updated regularly via a 3G Internet connection, or offer business travelers Internet access that can be billed to create greater income potential.



At an event

When you're chilling out at a party or concert, the light-weight, portable Dual-WAN 3G/ADSL2+ router series frees you to instantly share your pictures or video clips of the event with friends and family -- so those close to you can share your joy.



Let's Talk !

Cost Saving Calls with Net Connection



VoIP Router Series



Residential Users



BiPAC 6404V(G)P

- VoIP (802.11g) Broadband Firewall Router
(BiPAC 6404VGP)
- 802.11g with WPA-PSK/WPA2-PSK
 - Two FXS ports, one FXO port
 - PSTN fixed-line support
 - 3-port switch
 - Firewall with DoS prevention and SPI
 - Quality of Service
 - Gateway feature-least cost routing
 - Supports telephony features
 - Supports remote management (*)



BiPAC 7401V(G)P

- VoIP (802.11g) ADSL2+ Firewall Router with PSTN Fixed-line Support
- ADSL2+
 - 802.11g with WPA-PSK/WPA2-PSK (BiPAC 7401VGP)
 - One FXS port, one FXO port
 - 4-port switch
 - Firewall with DoS prevention and SPI
 - Quality of Service
 - PSTN fixed-line support



BiPAC 7404V(G)P

- VoIP (802.11g) ADSL2+ Firewall Router with PSTN Fixed-line Support
- ADSL2+
 - 802.11g with WPA-PSK/WPA2-PSK (BiPAC 7404VGP)
 - Firewall with DoS prevention and SPI
 - Two FXS ports, one FXO port
 - Quality of Service
 - Gateway feature - least cost routing
 - 4-port switch
 - Supports telephony features
 - PSTN fixed-line support
 - Supports remote management (*)

SOHO and Office Users



BiPAC 7404VGO

- VoIP/802.11g ADSL2+ VPN Firewall Router with PSTN Fixed-line Support
- ADSL2+
 - 802.11g with WPA-PSK/WPA2-PSK
 - 4-port switch
 - Two FXS ports, one FXO port
 - Supports telephony features
 - Gateway feature - least cost routing
 - Firewall with DoS prevention and SPI
 - Quality of Service
 - PSTN fixed-line support
 - 16 IPsec VPN tunnels
 - Supports remote management (*)



BiPAC 7404VGOX

- VoIP 3G/ADSL2+ Wireless VPN Firewall Router with PSTN Fixed-line Support
- Dual WAN - ADSL2+ and 3G
 - USB 2.0 Host for 3G modem connectivity
 - Auto fail-over
 - 4-port switch
 - 802.11g with WPA-PSK/WPA2-PSK
 - Wi-Fi Protected Setup
 - 4-port switch
 - Two FXS ports, one FXO port
 - Supports telephony features
 - Gateway feature - least cost routing
 - Firewall with DoS prevention and SPI
 - Quality of Service
 - PSTN fixed-line support
 - 16 IPsec VPN tunnels
 - Supports remote management (*)



BiPAC 7404VNOX

- Draft 802.11n VoIP 3G/ADSL2+ VPN Firewall Router with PSTN Fixed-line Support
- Dual WAN - ADSL2+ and 3G
 - USB 2.0 Host for 3G modem connectivity
 - Auto fail-over
 - Draft 802.11n with WPA-PSK/WPA2-PSK
 - Wi-Fi Protected Setup
 - Two FXS ports, one FXO port
 - PSTN fixed-line support
 - 4-port switch
 - Firewall with DoS prevention and SPI
 - Quality of Service
 - Supports telephony features
 - Gateway feature - least cost routing
 - 16 IPsec VPN tunnels
 - Supports remote management (*)

(available in Q4, 2008)

(*) Only upon request for Telco/ISP tender projects

VoIP Call Applications

Interested? Want to learn how a Billion ADSL VoIP router works, and enables you to make a call? We keep it simple using the diagrams below to guide you through.

■ VoIP calls to/from VoIP



■ VoIP calls to/from PSTN



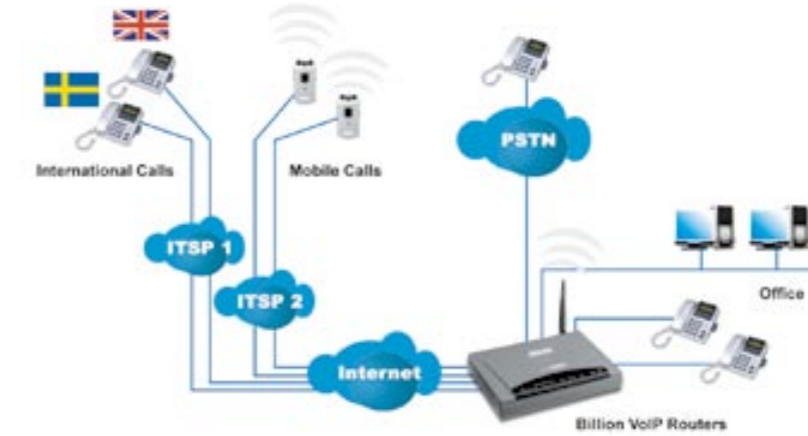
■ PSTN Fixed-line Support



Advanced VoIP Router Application

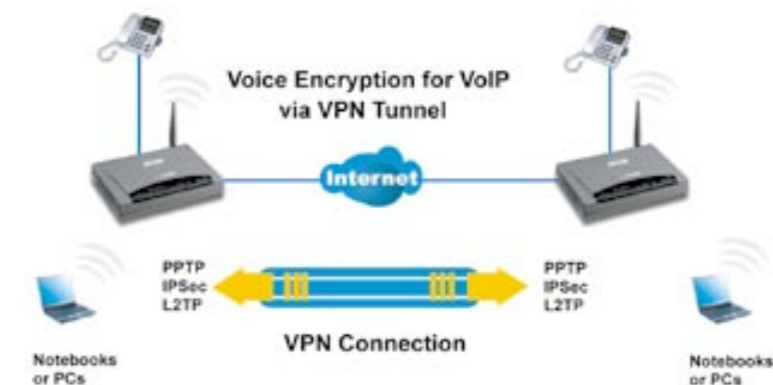
■ Gateway - Least Cost Routing

Gateway - The Least Cost Routing feature allows to use the most economical rates offered provided by different Internet Telephony Service Providers (ITSPs).



■ Secure Voice over VPN Tunnel

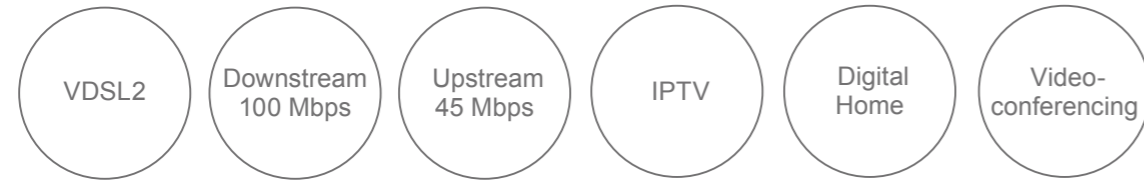
Three types of VPN solutions (PPTP, IPSec and L2TP within IPSec) allow office users to build secure VPN tunnels for voice and data communication between a company's head office and its branch(es).



VDSL2 Modem / Router Series

What is VDSL2?

- VDSL2 is a Very-High-Bit-Rate Digital Subscriber Line, next-generation DSL technology
- Fiber optic lines as backbone and VDSL2 line as the last mile to home or office
- For bandwidth-consuming applications such as voice, video-on-demand and IPTV services
- Fulfills the vision of the digital home and improves office productivity



Residential and Office Users



BiPAC 8600SM

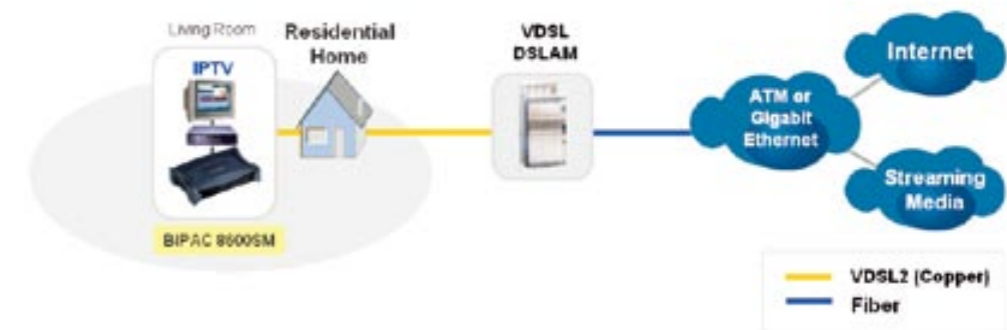
Single Ethernet port VDSL2 Modem

- Supports VDSL2
- Up to 100 Mbps downstream and 45 Mbps upstream
- Bridging Ethernet packet between Ethernet and VDSL2 interfaces
- Single Ethernet port

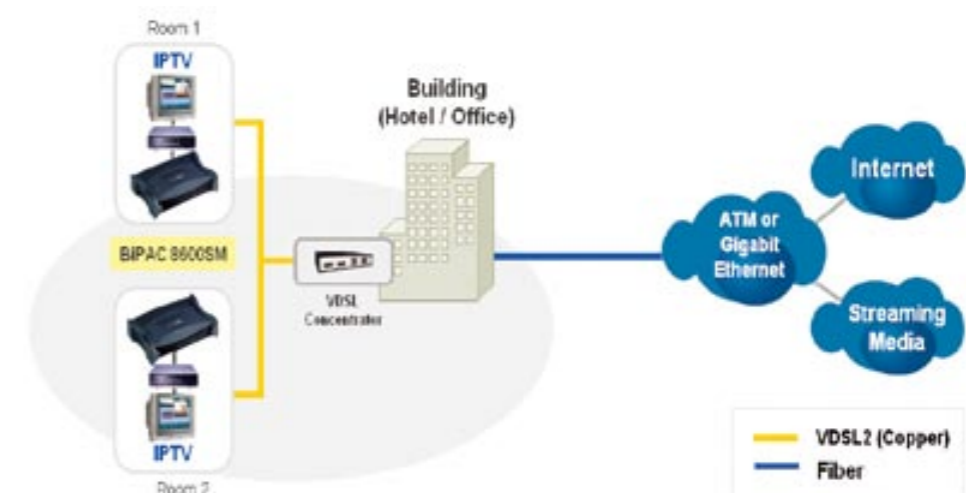


Application Diagram

■ Deployment scenario for VDSL using FTTN



■ Deployment scenario for VDSL using FTTB





Home Networking Router Series

Residential Users



- BiPAC 7402HC(G)**
HomePNA 3.1 (802.11g) Coax ADSL2+ Router
- 4-port switch
 - Two coaxial interfaces
 - HomePNA 3.1 for high-speed data transmission
 - 802.11g with WPA-PSK/WPA2-PSK (BiPAC 7402HCG)
 - 128 Mbps transmission speed over coaxial cable
 - Firewall with DoS prevention and SPI
 - Quality of Service
 - Supports IPTV service without the need for new wiring
 - Supports remote management (*)



- BiPAC 7402HP(G)**
HomePNA 3.1 (802.11g) Phoneline ADSL2+ Router
- 4-port switch
 - Two RJ-11 ports for phoneline
 - HomePNA 3.1 for high speed data transmission
 - 802.11g with WPA-PSK/WPA2-PSK (BiPAC 7402HPG)
 - Firewall with DoS prevention and SPI
 - Quality of Service
 - Supports IPTV service without the need for new wiring
 - Supports remote management (*)



- BiPAC 2070**
HomePlug AV 200 Desktop Ethernet Bridge
- Physical layer data rate up to 200Mbps over existing power lines
 - Supports 10/100 Base T Ethernet
 - Compliant with HomePlug AV



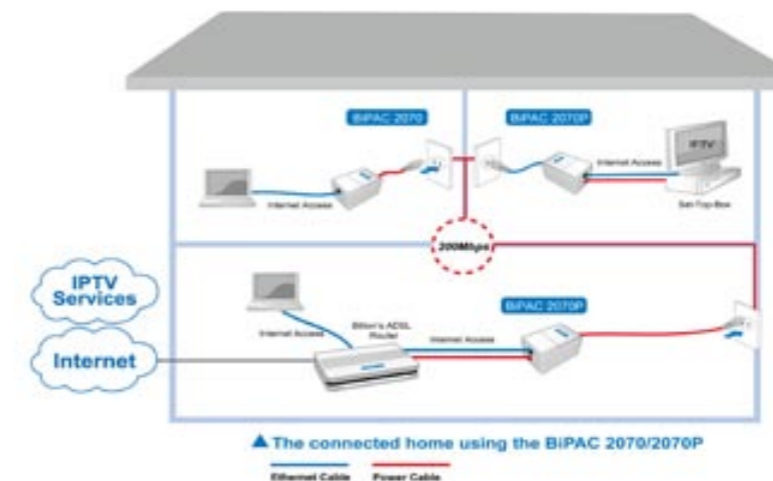
- BiPAC P102**
HomePlug AV 200 Desktop Starter Kit
- Includes 2 x BiPAC 2070



- BiPAC 2070P**
HomePlug AV 200 Desktop Ethernet Bridge with 12V DC Adapter
- Physical layer data rate up to 200Mbps over existing power lines
 - Supports 10/100 Base T Ethernet
 - Compliant with HomePlug AV
 - 12V DC power adapter included



- BiPAC P101**
HomePlug AV 200 Desktop Enabling Kit
- Includes 1 x BiPAC 2070P and 1 x BiPAC 2070
 - Ideal for supporting all Billion ADSL2+ router series with power input 12V DC, 1.2A or below



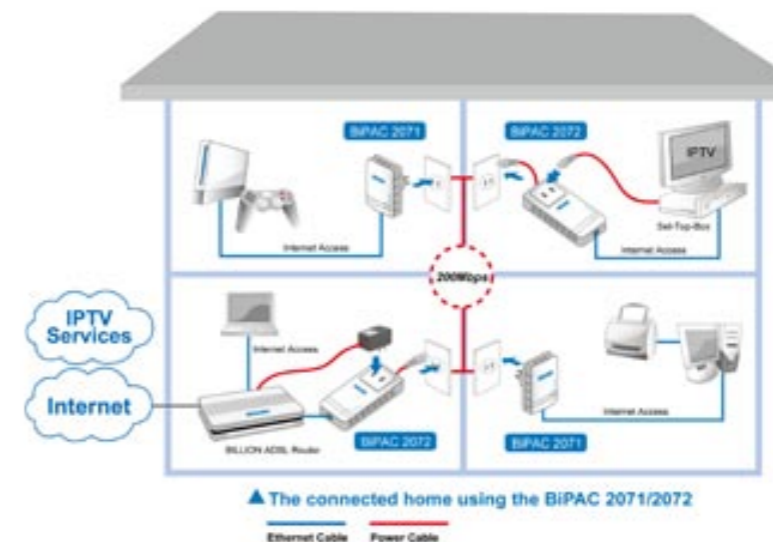
- BiPAC 2071**
HomePlug AV 200 Ethernet Adapter
- Data rate of up to 200Mbps over existing power lines
 - Power saving feature
 - Supports IPTV and VoIP applications
 - Quality of Service
 - Compliant with HomePlug Powerline Alliance



- BiPAC 2072**
HomePlug AV 200 Ethernet Bridge with AC Pass Through
- Data rate of up to 200Mbps over existing power lines
 - A built-in electrical outlet along with noise filter
 - Power saving feature
 - Supports IPTV and VoIP applications
 - Quality of Service
 - Compliant with HomePlug Powerline Alliance

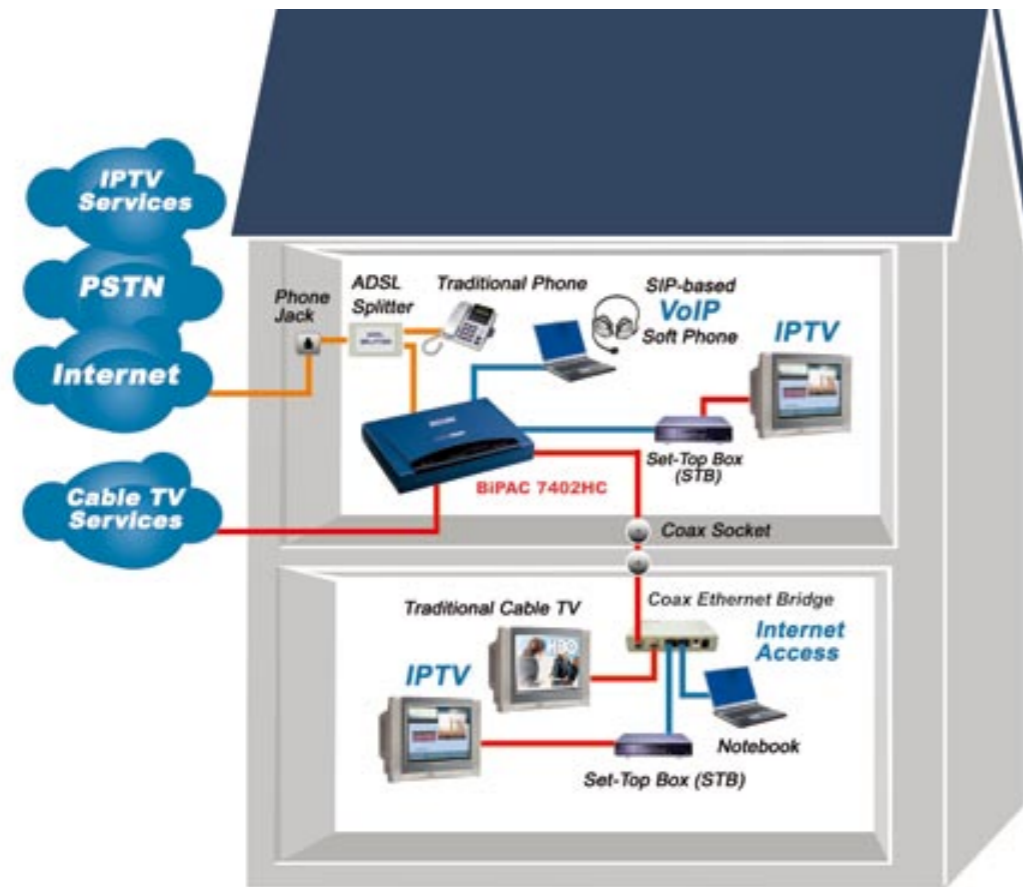


- BiPAC P104**
HomePlug AV 200 Ethernet Adapter Starter Kit
- includes 2x BiPAC 2071

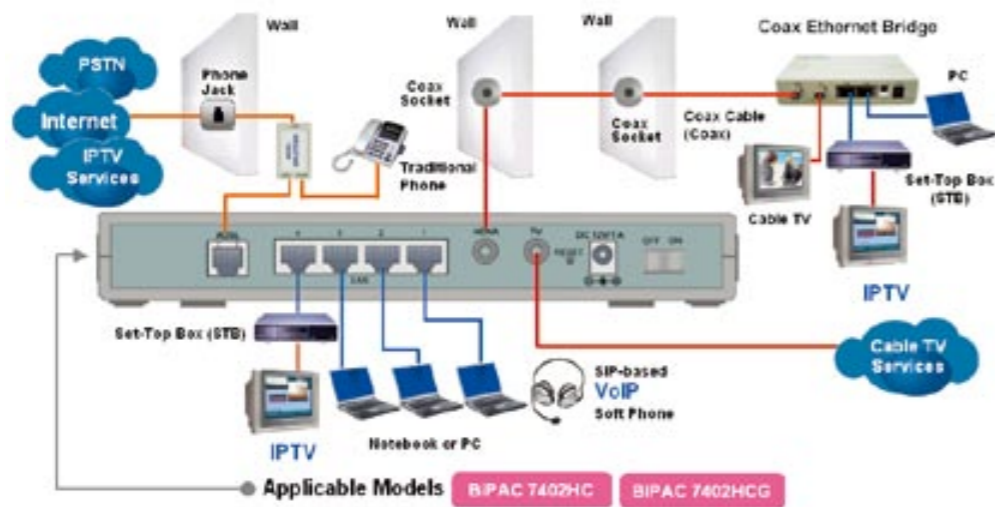


(*) Only upon request for Telco/ISP tender projects

Illustration and Application of Home Networking with HomePNA 3.1 Coax

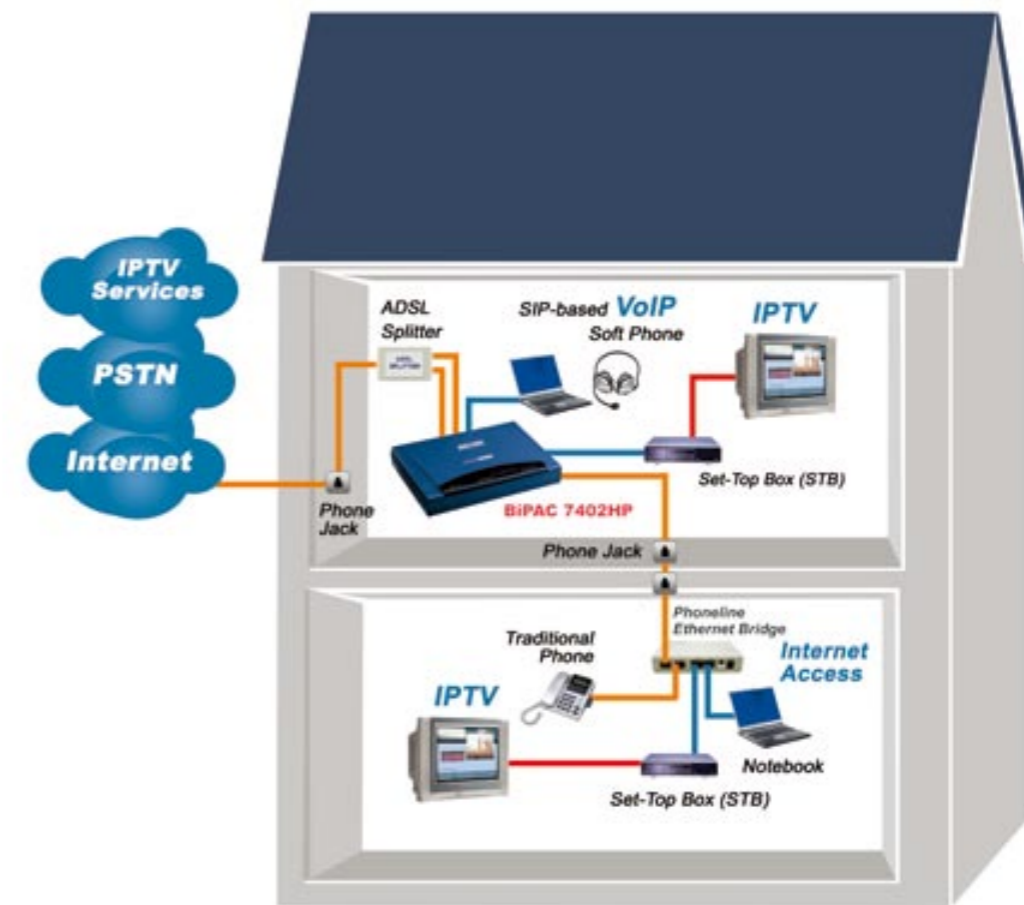


- Phone Cable (RJ-11)
- Ethernet Cable (RJ-45)
- Coax Cable

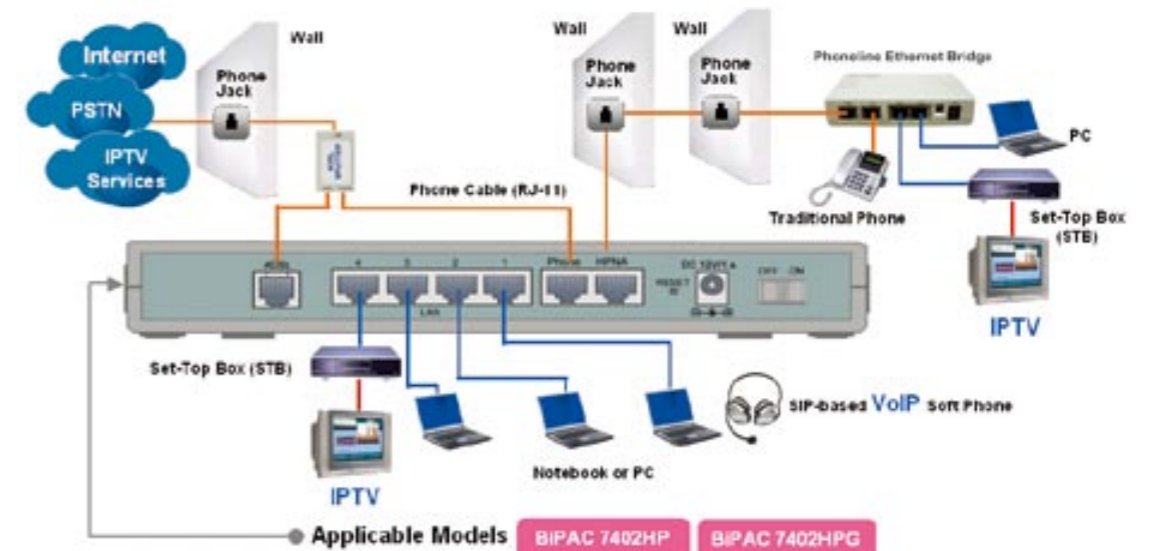


Applicable Models **BIPAC 7402HC** **BIPAC 7402HCG**

Illustration and Application of Home Networking with HomePNA 3.1 Phoneline



- Phone Cable (RJ-11)
- Ethernet Cable (RJ-45)
- Coax Cable



Applicable Models **BIPAC 7402HP** **BIPAC 7402HPG**



SHDSL Router Series

Symmetric
transmission
and Internet
access

Video-
conferencing

SHDSL
bonding
technology

SHDSL.bis
bonding
technology

VPN

SOHO and Office Users



BiPAC 8500

2.3Mbps VPN Firewall SHDSL
Bridge/Router

- Symmetric link rate up to 2.3Mbps
- 4-port switch
- Back-to-back connectivity
- Firewall with DoS prevention and SPI
- URL blocking
- Quality of Service
- Secure Virtual Private Network (VPN)
- Dynamic Domain Name System



BiPAC 8520

4.6Mbps VPN Firewall SHDSL
Bridge/Router

- Dual-line symmetric link rate up to 4.6Mbps
- Back-to-back connectivity
- Firewall with DoS prevention and SPI
- URL blocking
- Quality of Service
- Secure Virtual Private Network (VPN)
- Dynamic Domain Name System



BiPAC 8501

5.7Mbps VPN Firewall SHDSL.bis
Bridge/Router

- Symmetric link rate up to 5.7Mbps
- 4-port switch
- Firewall with DoS prevention and SPI
- URL blocking
- Secure Virtual Private Network (VPN)
- Quality of Service
- Dynamic Domain Name System



BiPAC 8521

11.4Mbps Firewall SHDSL.bis
Bridge/Router

- Symmetric link rate up to 11.4Mbps
- 4-port switch
- Firewall with DoS prevention and SPI
- Quality of Service
- URL blocking
- Dynamic Domain Name System

(available in Q4, 2008)

iBusiness Security Appliances



What's Unique about a SSL VPN Gateway?

- SSL VPN gateway plus solid router functions
- Supports serial-port for remote dial-in configuration
- Network / Transport Extender
- Application Proxy
- Quality of Service
- Citrix client
- Windows / Linux / Mac support
- Hardware DMZ support
- Granular access policy management
- Personalized web portal
- Data encryption and user authentication
- My Network Places
- Firewall security
- Host Security checking
- Mobile devices supported
- End Point Security (EPS) checking
- Wake On LAN (WOL)
- High Availability (HA)

Other Options:

BiGuard One-Time Password

- One-Time Password for multiple applications
- Ease of use anywhere at any time



BiGuard SSL VPN Tunnel Upgrades

- Increases more SSL VPN tunnels by upgrading existing devices

BiGuard Central Management System

- Remote configuration
- Database backup & restoration
- Scheduled upgrade
- Scheduled configuration backup



SSL VPN Series

BiGuard S6000

Gigabit Dual-WAN SSL/IPSec VPN Security Gateway

- 8-port Gigabit switch, 2 Gigabit WAN ports
- Load balancing and auto fail-over
- End Point Security (EPS) checking
- 30 IPSec VPN tunnels
- 50 SSL VPN tunnels, upgradeable to 200 tunnels
- AD/LDAP Account Import
- Group Account Setting
- Wake On LAN (WOL)
- High Availability (HA)
- InstantChat Support Service
- Concurrent sessions: 120,000
- Memory: 1GB



BiGuard S3000

Gigabit Dual-WAN SSL/IPSec VPN Security Gateway

- 8-port Gigabit switch, 2 Gigabit WAN ports
- Load balancing and auto fail-over
- End Point Security (EPS) checking
- 30 IPSec VPN tunnels
- 10 SSL VPN tunnels, upgradeable to 50 tunnels
- AD/LDAP Account Import
- Wake On LAN (WOL)
- High Availability (HA)
- InstantChat Support Service
- Concurrent sessions: 80,000
- Memory: 512MB



BiGuard S20

Dual-WAN SSL/IPSec VPN Security Gateway

- 8-port switch, 1 Gigabit LAN port
- Load balancing and auto fail-over
- 20 concurrent SSL VPN tunnels
- Wake On LAN (WOL)
- 30 IPSec VPN tunnels
- CMS (Central Management System) support
- Supports serial-port for remote dial-in configuration
- Rack mountable



BiGuard S10N

802.11n SSL/IPSec VPN Security Gateway

- Draft 802.11n with WPA-PSK/WPA2-PSK
- 4-port switch
- 10 SSL VPN tunnels, upgradeable to 20 tunnels
- 10 IPSec VPN tunnels
- Wireless Portal Access Control
- Wake On LAN (WOL)
- CMS (Central Management System) support
- Rack mountable



(available in Q3, 2008)

BiGuard S10

SSL/IPSec VPN Security Gateway

- 4-port switch
- 10 SSL VPN tunnels, upgradeable to 20 tunnels
- 10 IPSec VPN tunnels
- Wake On LAN (WOL)
- CMS (Central Management System) support
- Rack mountable



BiGuard S5

SSL VPN Starter Pack

- 4-port switch
- 5 SSL VPN tunnels, upgradeable to 20 tunnels
- Wake On LAN (WOL)
- CMS (Central Management System) support
- Rack mountable



Remote Management



BiGuard CMS Lite

Central Management System Lite

- Ideal for SMBs and service providers
- Supports BiGuard SSL VPN series security appliances
- Supports central management for 30 devices
- Data encryption and ID password authentication for secure management
- No client installation needed
- Web-based user interface
- Supports PostgreSQL
- Firmware upgrade for single/grouped devices on demand or according to a schedule
- Configuration backup for single/grouped devices on demand or at regular time intervals
- Configuration restoration
- Device connectivity checking
- Event logs of BiGuard CMS actions
- Database backup and restoration (not available in Evaluation version)

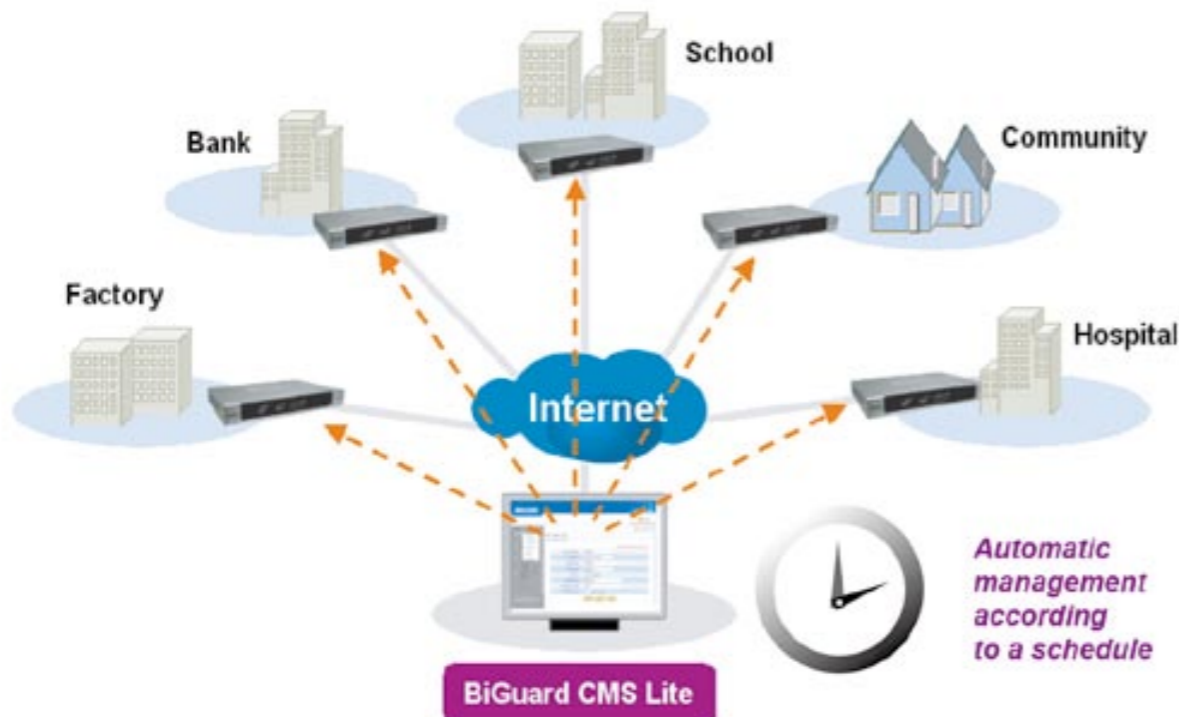


(available in Q3, 2008)

BiGuard CMS Pro

Central Management System Pro

- Ideal for SMBs and service providers
- Supports BiGuard SSL VPN series security appliances
- Supports central management for 120 devices
- Data encryption and ID password authentication for secure management
- No client installation needed
- Web-based user interface
- Automatic device discovery
- BiGuard CMS account management
- Remote Configuration management
- Supports PostgreSQL, MySQL
- Firmware upgrade for single/grouped on demand or according to a schedule
- Configuration backup for single/grouped devices or at regular time intervals
- Fault management (Log/Alarm)
- Configuration restoration
- Device connectivity checking
- Event logs of BiGuard CMS actions
- Database backup and restoration (not available in Evaluation version)



BiGuard IPsec VPN Series



BiGuard 50G

802.11g Dual-WAN Security Gateway SMB

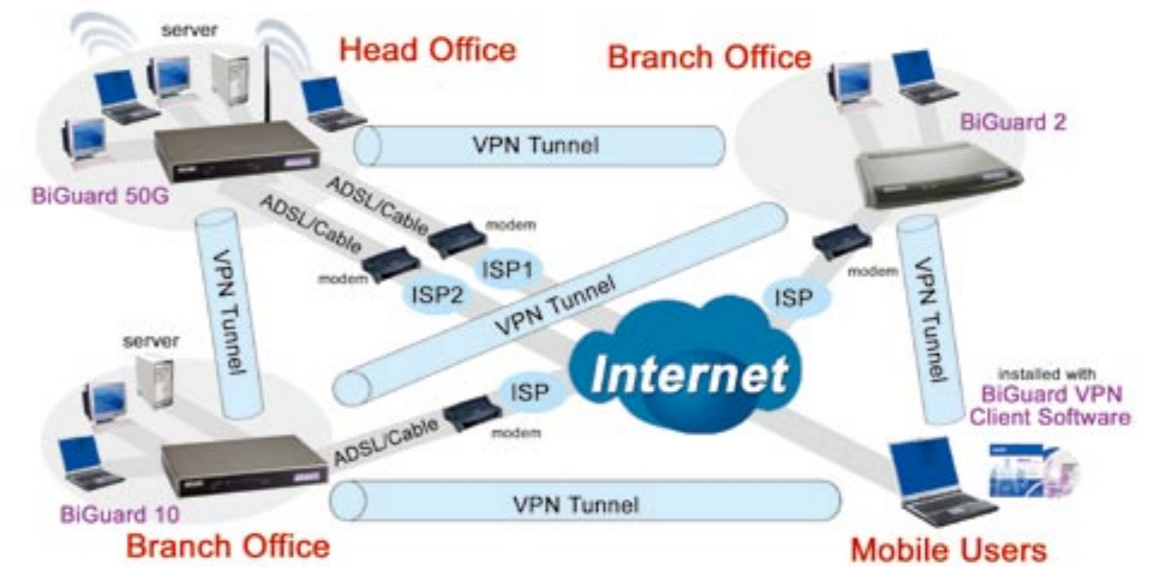
- Dual WAN ports, 4-port switch
- 802.11g with WPA-PSK/ WPA2-PSK
- Load balancing and protocol binding
- Auto fail-over for network redundancy
- SIP pass-through for VoIP protocol
- Quality of Service
- Traffic monitoring
- WAN IP alias
- Robust firewall security
- E-mail alerts and logs of attacks
- DMZ support
- 50 IPsec VPN tunnels
- 32 PPTP VPN tunnels
- Policy-based traffic management



BiGuard 30

iBusiness Security Gateway SMB

- Dual WAN ports
- 8-port switch
- Outbound / inbound load balancing and protocol binding
- Auto fail-over for network redundancy
- 30 IPsec VPN tunnels
- 4 PPTP VPN tunnels
- Traffic monitoring
- WAN IP alias
- Quality of Service
- Robust firewall security
- DMZ support
- Rack mountable
- SIP pass-through for VoIP protocol
- E-mail alerts and logs of attacks



BiGuard 10

iBusiness Security Gateway Small-Office

- 8-port switch
- 10 IPsec VPN tunnels
- 4 PPTP VPN tunnels
- Rack mountable
- Quality of Service
- Traffic monitoring
- WAN IP alias
- Robust firewall security
- E-mail alerts and logs of attacks
- DMZ support
- SIP pass-through for VoIP protocol



BiGuard 2

iBusiness Security Gateway Home-Office

- 8-port switch
- 2 IPsec VPN tunnels
- 4 PPTP VPN tunnels
- Robust firewall security
- E-mail alerts and logs of attacks
- Quality of Service
- Traffic monitoring
- WAN IP alias
- DMZ support
- SIP pass-through for VoIP protocol

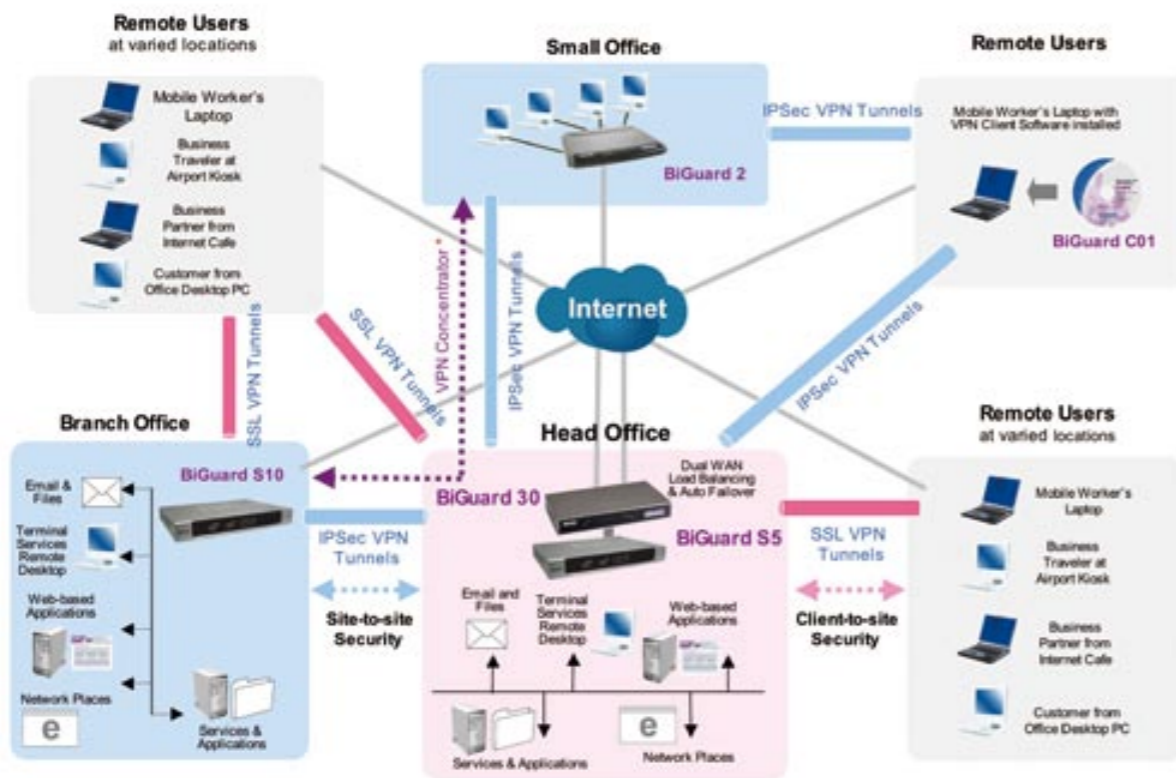


BiGuard C01

IPsec VPN Client Software

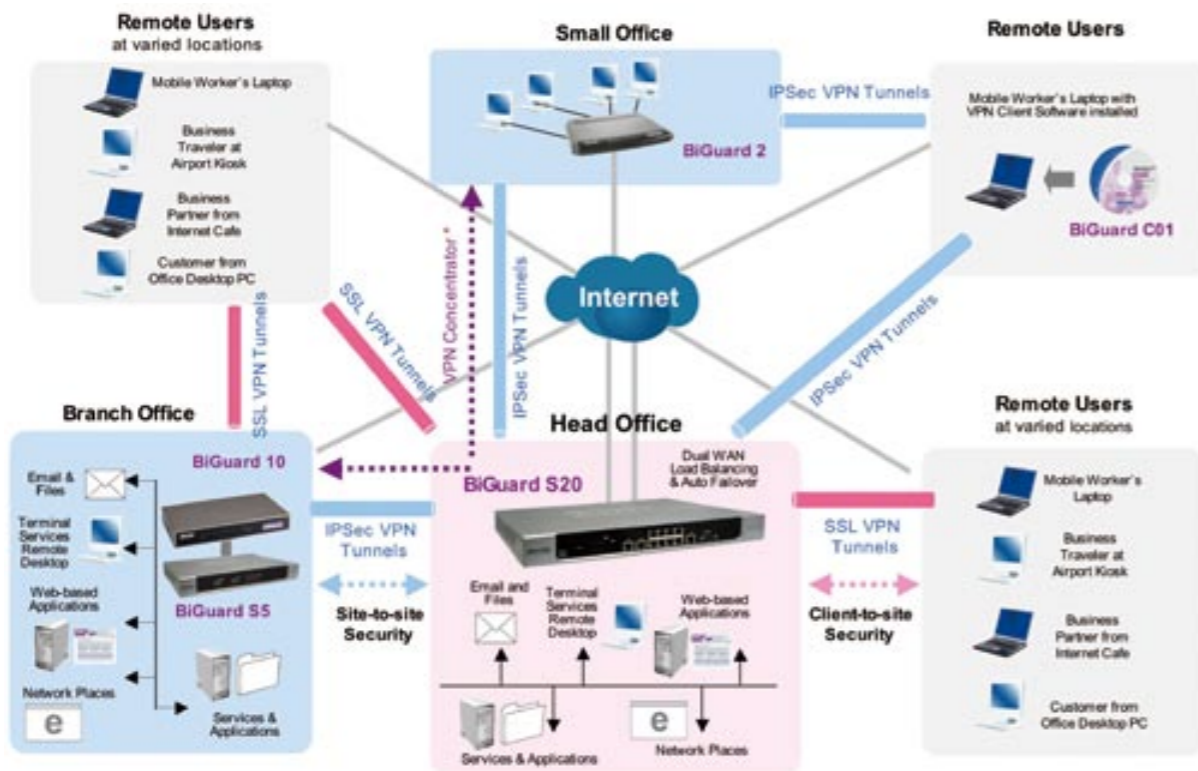
- USB stick for portability and security
- Specialized configuration wizard
- IPsec VPN tunneling
- Supports Billion's VPN-enabled router products
- Internet Key Exchange (IKE) and user authentication
- Supports Windows 98, NT, Me, 2000, XP, Vista

Network Application with SMB Security Appliances I



* VPN Concentrator enables an IPsec VPN Tunnel established between small office and branch office via headquarters for centralized management.

Network Application with SMB Security Appliances II



* VPN Concentrator enables an IPsec VPN Tunnel established between small office and branch office via headquarters for centralized management.



CONTACT US

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