

BILLION

2010

product guide



Powering communications
with **Security**



Honor & Awards

Billion at a Glance

Billion Electric Co. Ltd. (Taiex: 3027, trading as BILLION) is founded in Taiwan in 1973 and has grown to be one of the leading providers of network equipment and power supply products in the Asia Pacific. With the establishment of the Communication Division, Billion has reinforced its commitment to developing next-generation network equipment and Internet access devices to meet the needs of home users, telecommuters, SOHOs and SMBs around the globe. 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. Since March 2009, Billion's Power Division has added its investment in R&D and manufacturing of Smart Grid business in addition to the power supply products. This division has been officially re-named the "Power and Energy Management Division" (PEM Division) to illustrate Billion's long-term focus on "Green" product development. With the supply of Smart Grid to reduce carbon emissions resulting in more energy-saving products, Billion aims to contribute to environmental protection and green planet. For more information, please visit www.billion.com.





p4 **FTTx Solutions**

- GPON/Fiber
- VDSL2
- Ethernet WAN to Fiber

p9 **Home & SOHO Networks**

- Powerline HomePlug
- 3G/HSPA
- VoIP
- Wireless
- Wired ADSL
- Home/SOHO Switch
- IP Camera

p20 **Business Networks**

- SHDSL
- SMB Switch
- SSL VPN Gateway
- IPSec VPN Gateway
- CMS

Multiple Applications

IPTV

Video

Voice

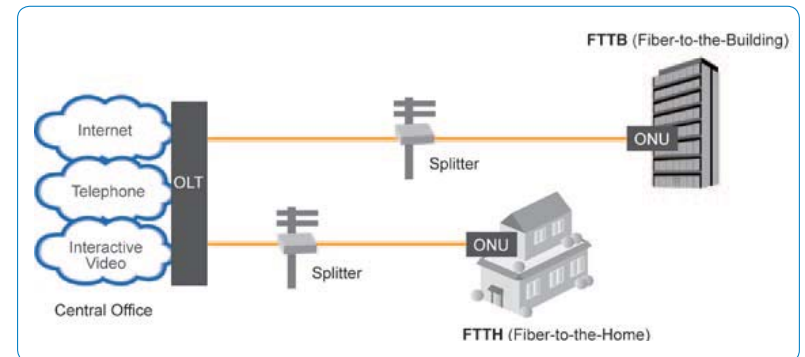
Data

FTTx Solutions

- **GPON/Fiber**
- **VDSL2**
- **Ethernet WAN to Fiber**

FTTx (Fiber-to-the-x)

- An advanced broadband network architecture using optical fiber to replace all or part of the usual copper used for last mile telecommunications
- For transmission of video, data and voice to homes and offices



*OLT (Optical Line Terminal): OLT is an integral and important part of the Passive Optical Networks, which orchestrates and supervises all signal activity.

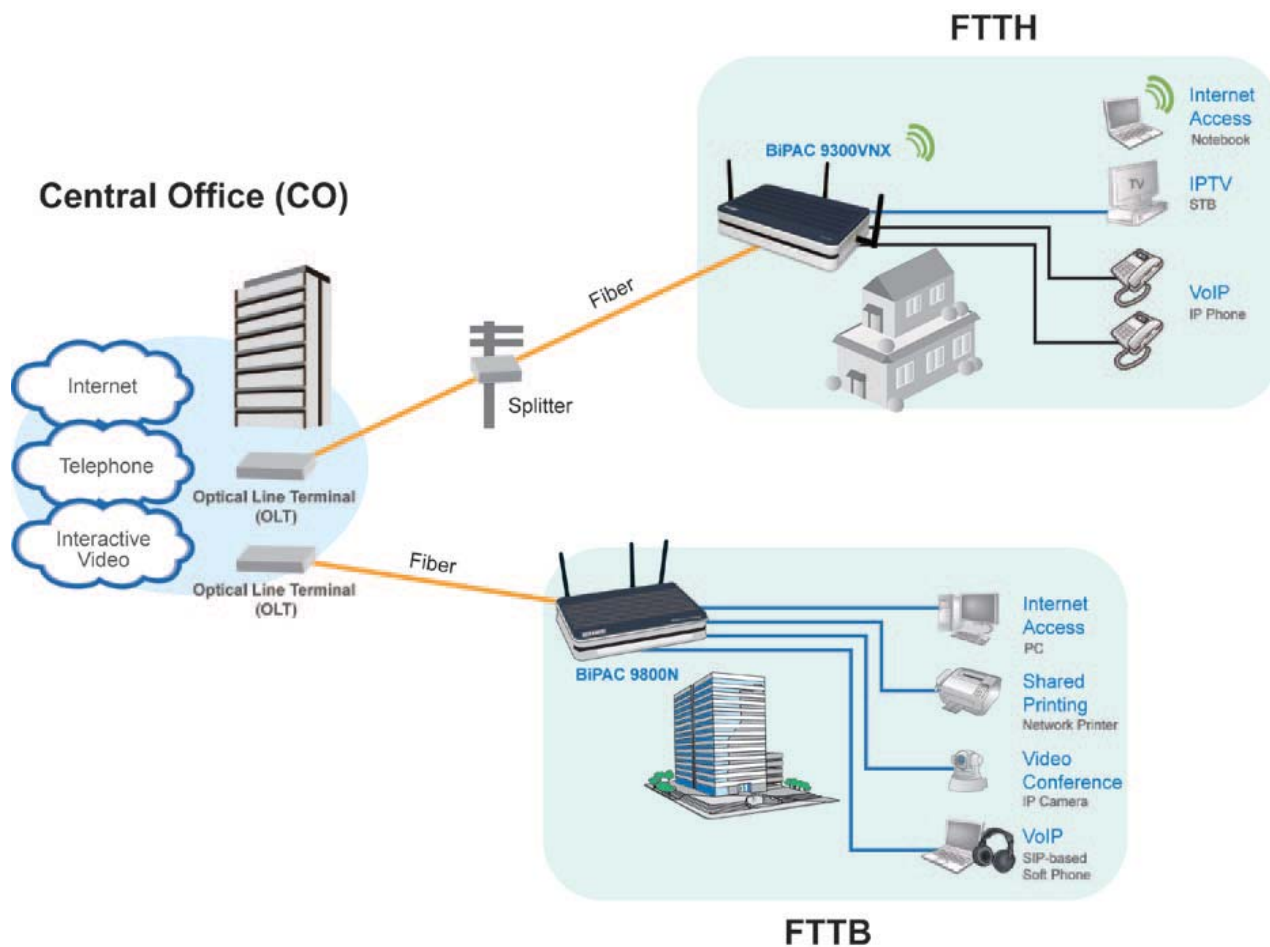
Advantage of FTTx Technology

- High speed and bandwidth: up into the gigabits, and larger carrying capacity
- Longer distance : Signals can be transmitted farther without need to be “refreshed” or strengthened
- Greater resistance to electromagnetic noise such as radios, motors or other nearby cables
- Cost-effective maintenance

Gigabit Passive Optical Network (GPON)

A point-to-multipoint, fiber to the premises network architecture in which unpowered optical splitters are used to enable a single optical fiber to serve multiple premises.

A GPON consists of an Optical Line Terminal (OLT) at the service provider's central office and a number of Optical Network Units (ONUs) near end users. A GPON configuration reduces the amount of fiber and central office equipment required compared with point-to-point over fiber (EFM*-Fiber) architecture. GPON has a maximum downstream rate of up to 2.5Gbps and upstream rates are around 1.244Gbps.



GPON/ Fiber



Products & Models	BiPAC 9800N	BiPAC 9304M	BiPAC 9304V	BiPAC 9310VNX	BiPAC 9300VNX
Point-to-Point over Fiber (EFM*-Fiber)	V				
Point-to-multipoint Gigabit over Fiber (GPON)		V	V	V	V
Ethernet switch (LAN ports)	4x10/100/1000Mbps	4x10/100Mbps	4x10/100Mbps	4x10/100/1000Mbps	4x10/100/1000Mbps
RF Overlay*				V	
USB 2.0 port				V	V
802.11n with WPA/WPA2 and Wi-Fi Protected Setup	V			V	V
Quality of Service	V		V	V	V
Firewall	V		V	V	V
VoIP (FXS ports)			2	2	2
Mini IP-PBX feature*			V	V	V
Easy Sign On (EZSO)	V		V	V	V
Remote management	by request*	OMCI*	OMCI*	OMCI*	OMCI*
Target users	SOHO & Office	Home, SOHO & Office			

* EFM: Ethernet in the First Mile

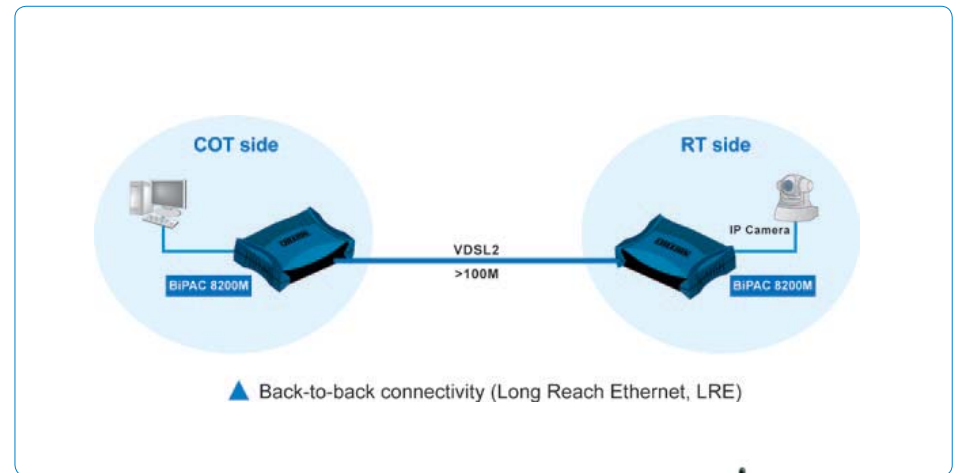
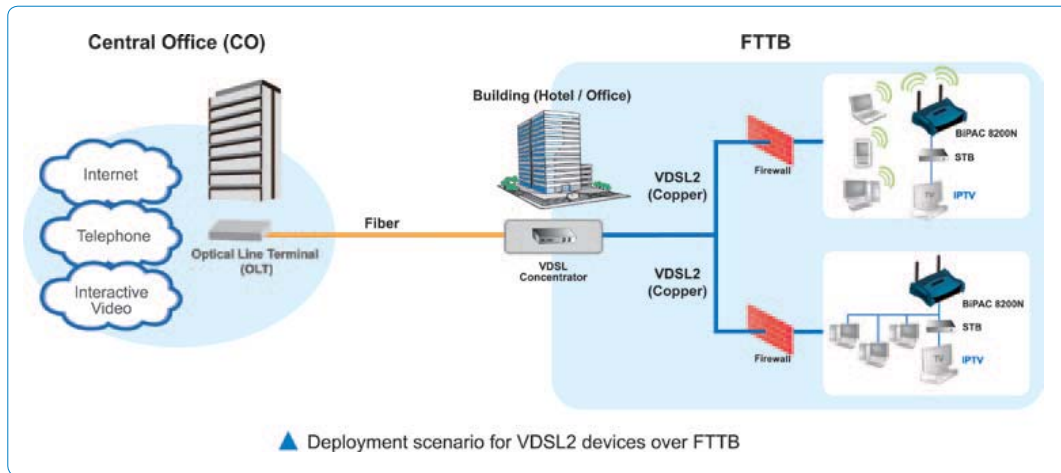
* GPON ONT with RF overlay is available only upon request.

* Mini IP-PBX feature by request

* The specification of remote management on end-user devices is available only upon request for Telco/ISP projects.

* OMCI: ONT Management and Control Interface

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

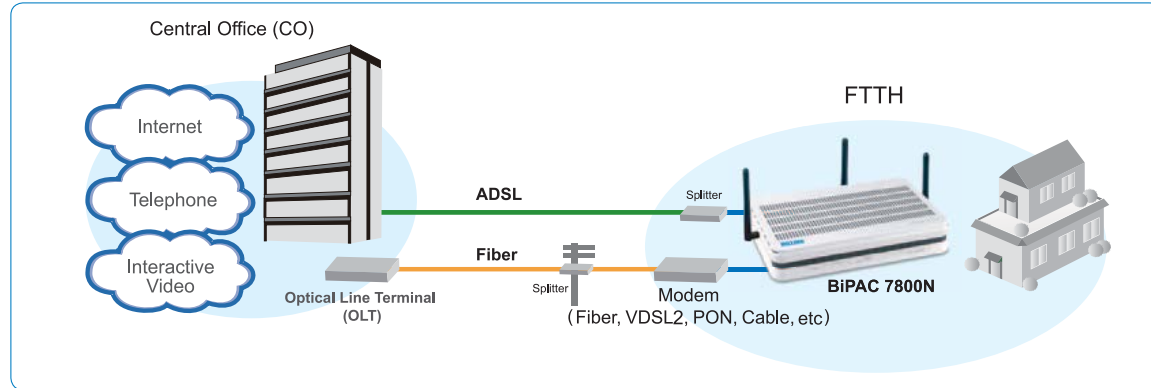


Product & Models	BiPAC 8200M	BiPAC 8200 (available in Q1)	BiPAC 8200N
VDSL2 profile	8a/b/c/d, 12a/b, 17a, 30a	8a/b/c/d, 12a/b, 17a, 30a	8a/b/c/d, 12a/b, 17a, 30a
Band plan 997 & 998 Supports 2/3/4/5/6 band	V	V	V
Downstream	100Mbps	100Mbps	100Mbps
Upstream	100Mbps	100Mbps	100Mbps
IPv6		V*	
TR-069		V*	V
Splitter built-in		V (optional)	
Ethernet switch	10/100Mbps	10/100Mbps	10/100Mbps
LAN ports	4	4	4
Wi-Fi 802.11n			V
Firewall/Router		V	V
CO mode for back-to-back application	V		
Target users	Home & SOHO		

* Future release

Ethernet WAN to Fiber

Ethernet WAN to Fiber connection



Dual WAN ADSL2+/Broadband Firewall Router



Product & Models	BiPAC 7800N	BiPAC 7800
Wireless 802.11n WPA/WPA2, WPS	V	
WAN	ADSL2+	
Ethernet WAN (EWAN)	V	
Ethernet Switch	10/100/1000Mbps	
LAN ports	4	
Quality of Service	V	
Firewall	V	
Easy Sign On (EZSO)	V	
Impulse noise production for IPTV applications	V	
IPSec VPN	Pass through	
Remote management*	by request	
Target users	Home & SOHO	



Home & SOHO Networks

- Powerline HomePlug
 - 3G/HSPA
 - VoIP
 - Wireless
- Wired ADSL
- Home/SOHO Switch
 - IP Camera



Products & Models	BiPAC 2073N	BiPAC P106 R2 (2x BiPAC 2073 R2)	BiPAC P106N (1x BiPAC 2073N and 1x BiPAC 2073 R2)	BiPAC 2074 R2	BiPAC 2070P
Standard Compliance	HomePlug AV 200 Mbps				
Type	Wall Plug				Desktop
Wi-Fi 802.11n	V		V (BiPAC 2073N)		
Ethernet switch	1	1	1	1	1
LAN ports	1	1	1	1	1
Minimal power saving at standby mode*		50%*	50%*(BiPAC 2073 R2)	50%*	
Maximal power saving at full operation		20%*	20%*(BiPAC 2073 R2)	20%*	
AC Power				1x AC Pass-through Power Socket	1x AC Power Supply
Quality of Service	V	V	V	V	V
Target Users	Home & SOHO				

*The percentage of power saving depends on input power voltage.

DS2 Solution for teleco players

BiPAC 2093 R2

Powerline Ethernet Adapter

- 1-port 10/100M Switch
- Remote management*



BiPAC 2094 R2

Powerline Ethernet Adapter with AC Pass-through Power Socket

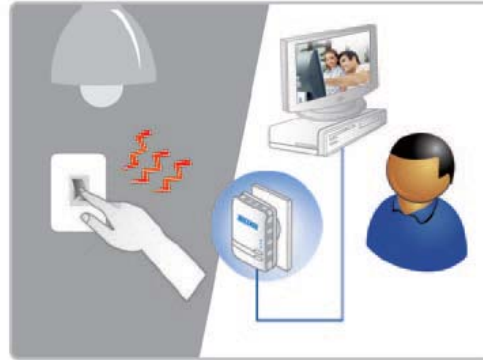
- 1-port 10/100M Switch
- 1 noise filtering outlet
- Remote management*



*Upon request

Noise Immunity

With the noise filter feature protecting powerline data communication from noise impact generated by other electric appliances over the same power line loop, Billion's HomePlug AV adapters enhance powerline communications quality. Even when your family turns on an electric device or switches off a light, you won't experience any interruption to latency-sensitive applications such as multimedia or video being shared with your family in another room.



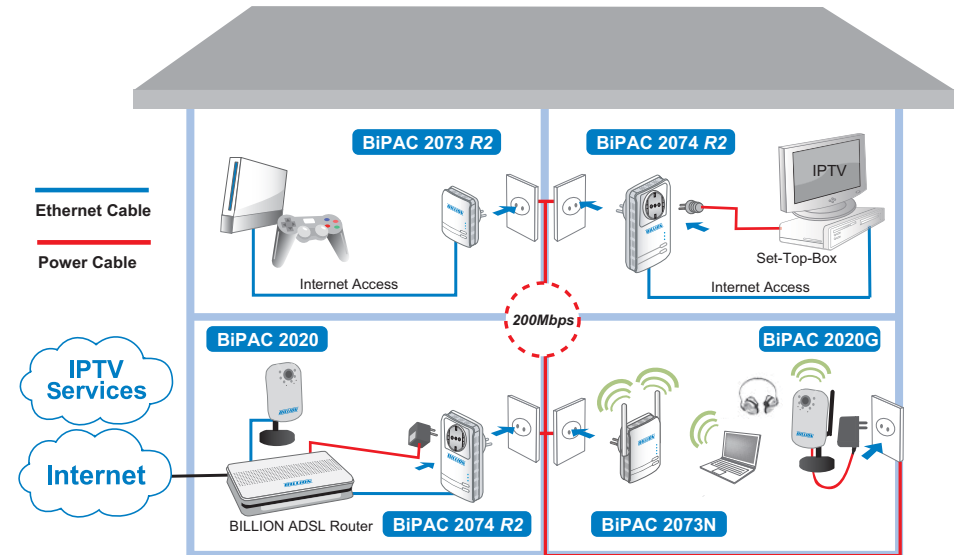
AC Pass-through Power Socket with Noise Filtering

The BiPAC 2074 R2, with a power outlet on the adapter, also features noise filtering that protects it from noise generated by other electric devices on the power line loop. It therefore enhances the powerline communications quality of the Billion HomePlug AV AC Pass-through adapter.



Smart Power Saving

With the Smart Power Saving technology, the HomePlug AV series can automatically detect the link status of connected devices and adjust its power consumption to enhance power efficiency, thus saving money on electricity bills.



▲ The connected home using the Homeplug AV series

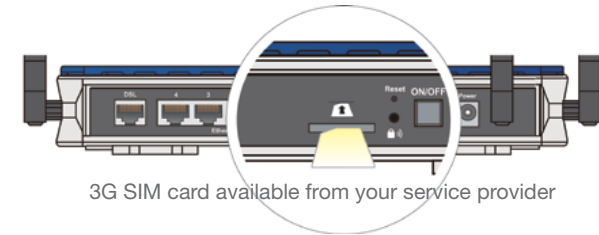
Highlights on Billion's Dual-WAN 3G series

- Auto fail-over function that quickly and smoothly connects to a 3G network in an event when the landline for ADSL connection fails, and then automatically returns to the ADSL connection when it's restored.

- 3G/HSPA embedded in BiPAC 7800GZ with a built-in SIM card slot. The Internet access over 3G networks is simply insert a 3G SIM card (available from a service provider) instead of a 3G modem connected.

3G Technology

- 3G is the common name for third-generation digital mobile technology
- 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 technology offers faster data transfer rates up to 14.4Mbps.



3G SIM card available from your service provider



Products & Models	BiPAC 7800GZ	BiPAC 7402XL	BiPAC 7402X	BiPAC 7402GXL	BiPAC 7402GX	BiPAC 7402NXL	BiPAC 7402NX
ADSL2+	V	V	V	V	V	V	V
3G supported*	3G embedded	USB 2.0 host					
Auto fail-over	V	V	V	V	V	V	V
LAN ports	4	4	4	4	4	4	4
Ethernet switch	10/100Mbps					10/100/1000Mbps	
Ethernet WAN (EWAN)	LAN#4	LAN#1					
802.11g with WPA/WPA2	V			V	V		
802.11n with WPA/WPA2						V	V
Wi-Fi Protected Setup	V			V	V	V	V
Quality of Service	V	V	V	V	V	V	V
Firewall	V	V	V	V	V	V	V
IPSec VPN	4tunnels	pass through	16 tunnels	pass through	16 tunnels	pass through	16 tunnels
Target users	SOHO & Office	Home & SOHO	SOHO & Office	Home & SOHO	SOHO & Office	Home & SOHO	SOHO & Office

BiPAC 6200NXL 3.75G Wireless-N Broadband Router

- Supports 3.5G/HSDPA/3.75G/HSUPA, EVDO and TD-SCDMA
- 3G Management Center application utility
- Dual WAN interfaces for EWAN and 3.5G/3.75G connections
- Auto fail-over feature to ensure an always-on connection
- 3-port Ethernet switch
- 2 x USB 2.0 ports for multiple functions: 3.5G/3.75G networks and printer server, Webcam server, FTP server, Samba server
- 802.11n with WPA/WPA2
- Wi-Fi Protected Setup (WPS)
- SOHO firewall security with DoS prevention and SPI
- Quality of Service Control



*A 3G/HSPA modem from Tel/ISP for 3G service.

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.



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.



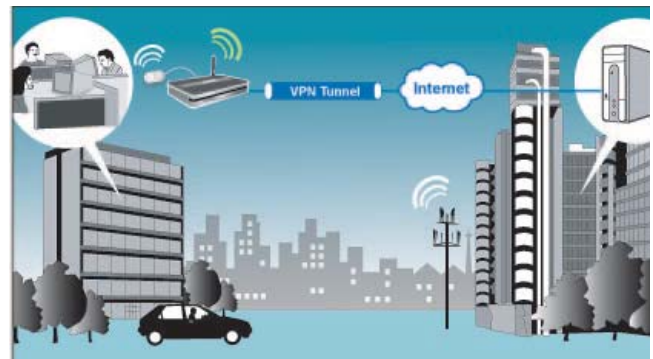
Always-On connection

The auto fail-over feature ensures maximum connectivity and minimum interruption by quickly and smoothly connecting to a 3G network in the event that the landline for ADSL connection 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.



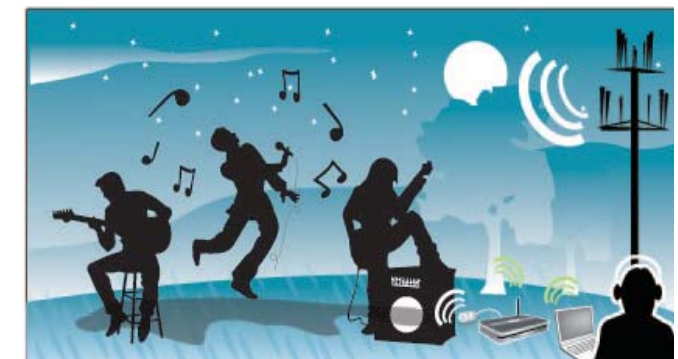
On public transport

By installing the Dual-WAN 3G/ADSL2+ router series, 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.

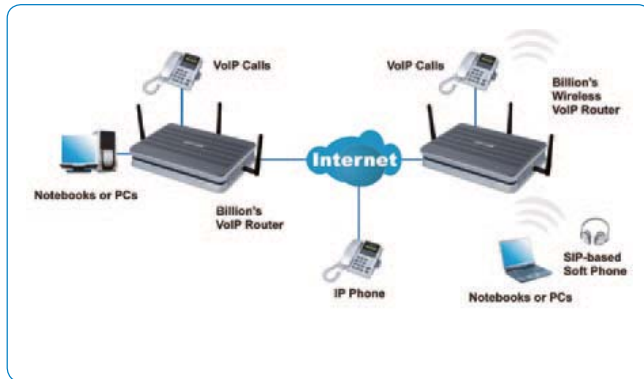




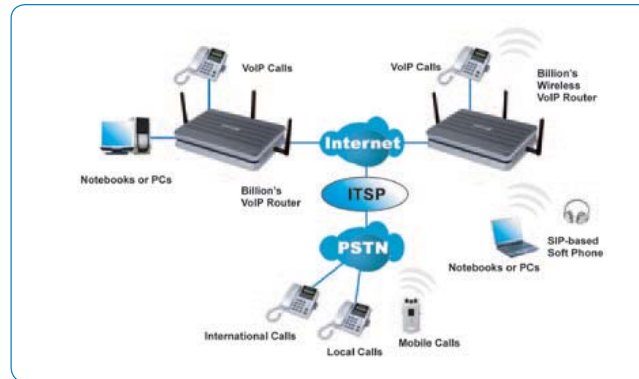
Products & Models	BiPAC 6404VGP R3	BiPAC 7401VGPX	BiPAC 7404VGPX	BiPAC 7404VGOX	BiPAC 7404VNPX	BiPAC 7404VNOX
WAN	Broadband	ADSL2+				
3G supported		USB 2.0 host				
Auto fail-over		V	V	V	V	V
LAN ports	4	4	4	4	4	4
Ethernet switch	10/100Mbps				10/100/1000Mbps	
FXS ports	2	1	2	2	2	2
FXO ports	1	1	1	1	1	1
Gateway – Least Cost Routing			V	V	V	V
802.11g with WPA/WPA2	V	V	V	V		
802.11n with WPA/WPA2					V	V
Wi-Fi Protected Setup	V	V	V	V	V	V
IPSec VPN	pass through			16 tunnels	pass through	16 tunnels
Firewall	V	V	V	V	V	V
Quality of Service	V	V	V	V	V	V
Target users	Home & SOHO			SOHO & Office	Home & SOHO	SOHO & Office

VoIP Call Applications

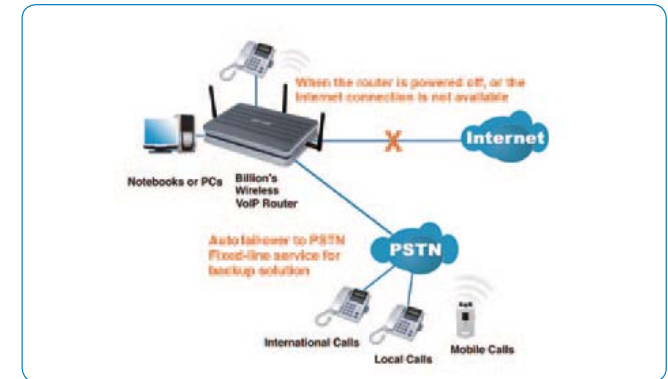
VoIP calls to/from VoIP



VoIP calls to/from PSTN



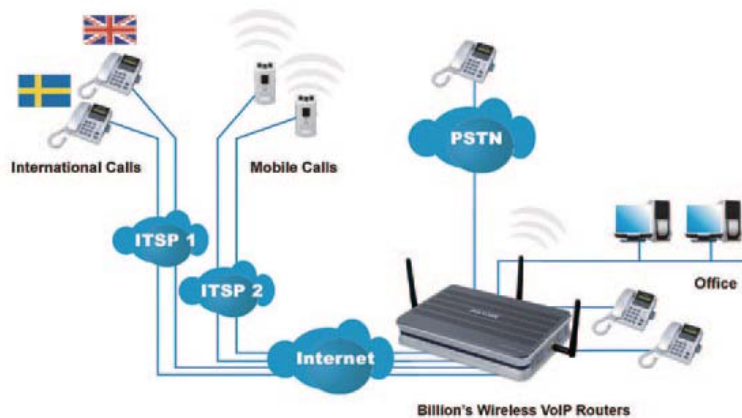
PSTN Fixed-line Support



Advanced VoIP Router Applications

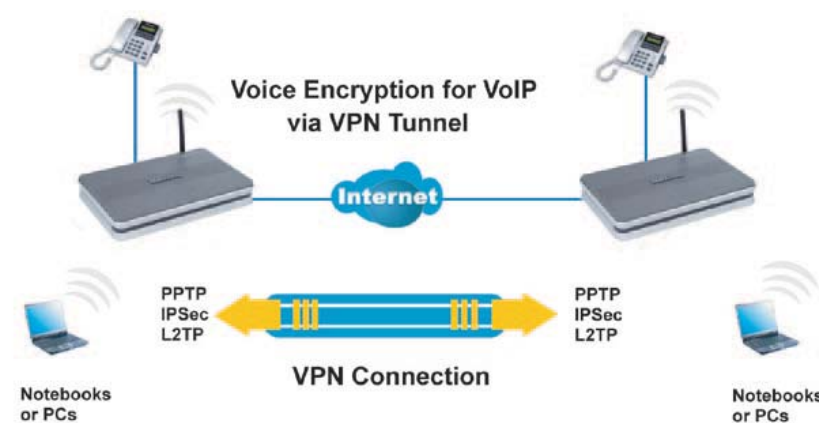
Gateway – Lease Cost Routing

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).



Wireless

Wireless-N 802.11n

Data rate 300Mbps and 3X the coverage of standard 802.11g



Wireless-W 802.11n

Data rate 150Mbps



Wireless-G 802.11g

Data rate 54Mbps



BiPAC 3200G

54Mbps Wireless-G Broadband Firewall Router

- Turbo mode for 72Mbps wireless data rate
- Dual operation mode – gateway and bridge mode
- Wireless data encryption with 64/128-bit WEP, WPA, and WPA2
- Wireless MAC access control prevents unauthorized access
- WDS with WEP, TKIP, and AES encryption
- Firewall
- Supports DHCP server



BiPAC 3100SN

Wireless-N Wall Plug Access Point

- WPA/WPA2, WPS, WEP
- WDS with WEP, TKIP, and AES encryption
- Wireless MAC access control
- Auto channel select
- WDS repeater & bridge modes
- For Triple Play applications
- 1x 10/100 BaseT Ethernet Port
- Ideal for residential users

BiPAC 3011N

1T2R Wireless-N USB Adapter



BiPAC 3011W

1T1R Wireless-N USB Adapter

(available in Q2)



BiPAC 3013G

54Mbps Wireless-G USB Adapter





Product & Models	BiPAC 5210SG RC	BiPAC 5200G RC	BiPAC 5200W <i>(available in Q2)</i>	BiPAC 5200N	BiPAC 5200N RC	BiPAC 7300W <i>(available in Q2)</i>	BiPAC 7300G RA	BiPAC 7300N
WAN	ADSL2+							
USB 1.1 port	1							
EWAN								LAN 1 port (configured)
Ethernet switch	10/100Mbps							
LAN ports	1	4	4	4	4	4	4	4
802.11g with WPA/WPA2	V	V					V	
802.11n with WPA/WPA2			V (1T1R)	V (2T3R)	V (2T2R)	V (1T1R)		V (2T3R)
Wi-Fi Protected Setup				V	V	V		V
Quality of Service				V	V	V	V	V
Easy Sign On (EZSO)						V	V	V
Firewall	V	V	V	V	V	V	V	V
Impulse noise production for IPTV applications	V	V	V	V	V	V	V	V
Remote management*	by request							
Target users	Home & SOHO							

* The specification of Remote Management on end-user devices is available only upon request for Telco / ISP projects.

Wired ADSL

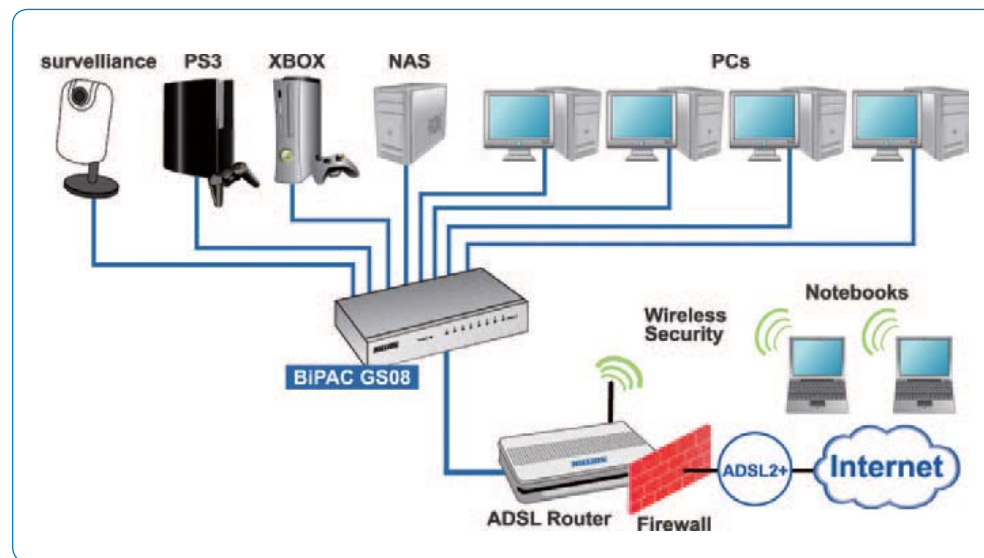
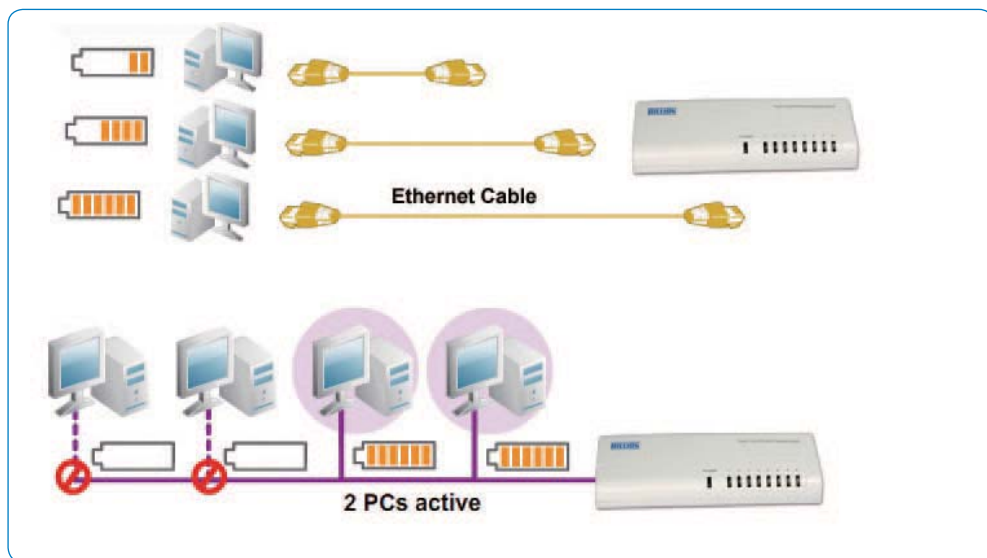


Product & Models	BiPAC 5200S <i>RC</i>	BiPAC 5210S <i>RC</i>	BiPAC 5200 <i>RC</i>	BiPAC 7300 <i>RA</i>
WAN	ADSL2+			
USB 1.1 port		1		
Ethernet Switch	10/100Mbps			
LAN ports	1	1	4	4
Quality of Service				V
Firewall	V	V	V	V
Easy Sign On (EZSO)				V
Impulse noise production for IPTV applications	V	V	V	V
IPSec VPN	Pass through			
Remote management*	by request			
Target users	Home & SOHO			

* The specification of Remote Management on end-user devices is available only upon request for Telco/ISP projects.

Home/SOHO Switch

Billion's Green Ethernet Switch series features **Smart Power Saving** technology that efficiently plans power consumptions by connected devices and cable lengths and helps save your network power by up to **60%**.



BiPAC ES05

- 5-port 10/100Mbps switch
- Smart power saving technology
- 2K MAC entries
- 384K bits packet buffer
- For Home & SOHO users



BiPAC ES08

- 8-port 10/100Mbps switch
- Smart power saving technology
- 1K MAC entries
- 768K bits packet buffer
- For Home & SOHO users



BiPAC GS08

- 8-port 10/100/1000Mbps switch
- Smart power saving technology
- 4K MAC address
- 1M bits buffer memory
- 9K bytes jumbo frames
- For Home & SOHO users



IP Camera



BiPAC 2020

- Progressive scan CMOS sensor
- Dual video streaming of MPEG-4/MJPEG
- Automatic night-mode
- 2-way audio communication
- HTTPS (SSL v3) encryption
- Supports 5 online users simultaneously
- Mobile phone streaming through 3GPP/ISMA RTSP
- Live video viewing over Windows Live Messenger
- Motion detection
- UPnP & Bonjour for easy installation
- Video management software included for up to 16 channels



BiPAC 2020G

- Progressive scan CMOS sensor
- Dual video streaming of MPEG-4/MJPEG
- Day/Night function with 6 LEDs
- 2-way audio communication
- 802.11g with WPA/WPA2
- HTTPS (SSL v3) encryption
- Supports 5 online users simultaneously
- Mobile phone streaming through 3GPP/ISMA RTSP
- Live video viewing over Windows Live Messenger
- Motion detection
- UPnP & Bonjour for easy installation
- Video management software included for up to 16 channels

Applications

- ✓ For home users to monitor baby, pets, home security whilst away
- ✓ For SOHO and SMB users to monitor lobby, reception, office, warehouses, server rooms, anywhere that the administrators need to keep an eye on
- ✓ Other applications:
 - Remote voice broadcasting
 - Voice monitoring
 - Alternative video conferencing for small-group collaboration

Video Management Software

- Controls up to 16 channels
- Motion detection and notification over FTP, e-mail, and HTTP



Surveillance Solutions with Billion Networking Products

1



ADSL2+ Routers

2



Powerline HomePlug AV Adapters

3



BiGuard SSL/IPSec VPN Security Gateways

Business Networks

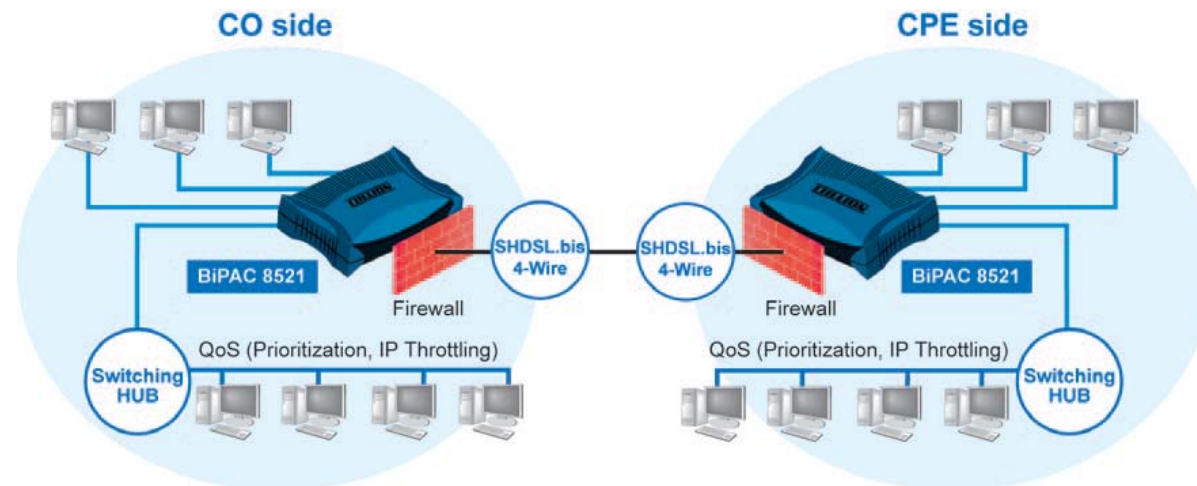
- SHDSL
- SMB Switch
- SSL VPN Gateway
- IPSec VPN Gateway
- CMS

SHDSL



Products & Models	BiPAC 8500	BiPAC 8520	BiPAC 8501	BiPAC 8501 R2	BiPAC 8521
SHDSL	2.3Mbps	4.6Mbps			
SHDSL.bis			5.7Mbps	5.7Mbps	11.4Mbps
WAN ports	1 (2-wire)	1 (4-wire)	1 (2-wire)	1 (2-wire)	2 (4-wire)
LAN ports	4	4	4	4	4
Ethernet switch	10/100Mbps				
Back-to-back	V	V	V*	V	V
Quality of Service	V	V	V	V	V
Firewall	V	V	V	V	V
IPSec VPN	V	V	V		
Target users	SOHO and Office				

* up to 2.3Mbps only.



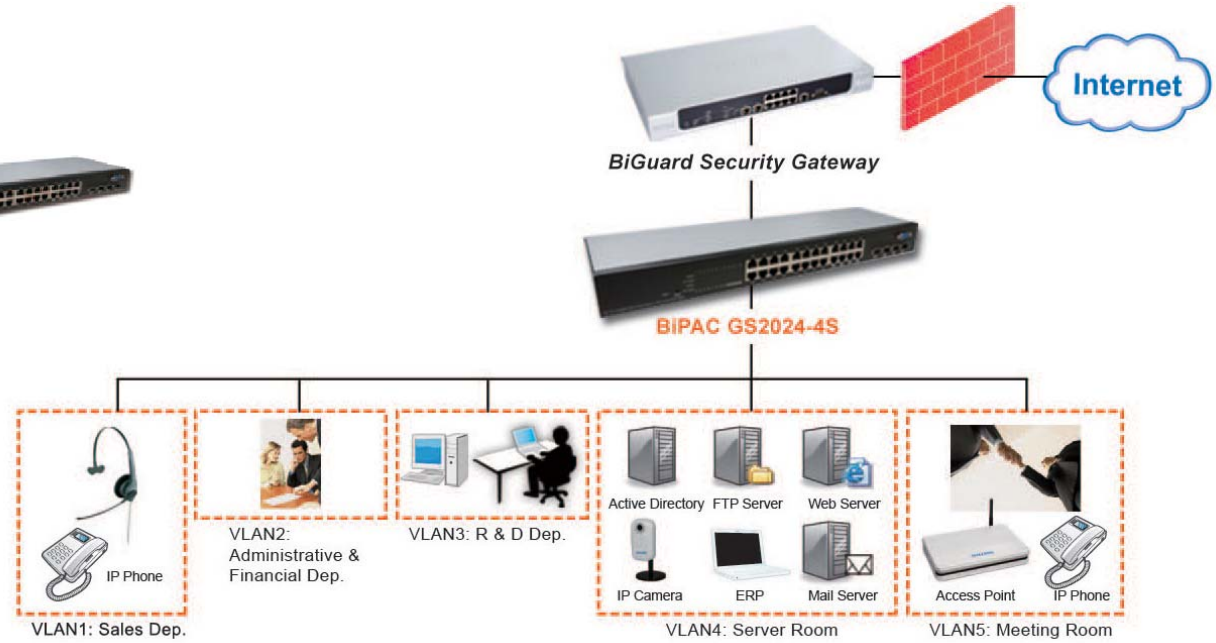
▲ Back-to-back connectivity

SMB Switch

BiPAC GS2024-4S

24-port Gigabit Web Smart Switch with 4-Port Mini-GBIC

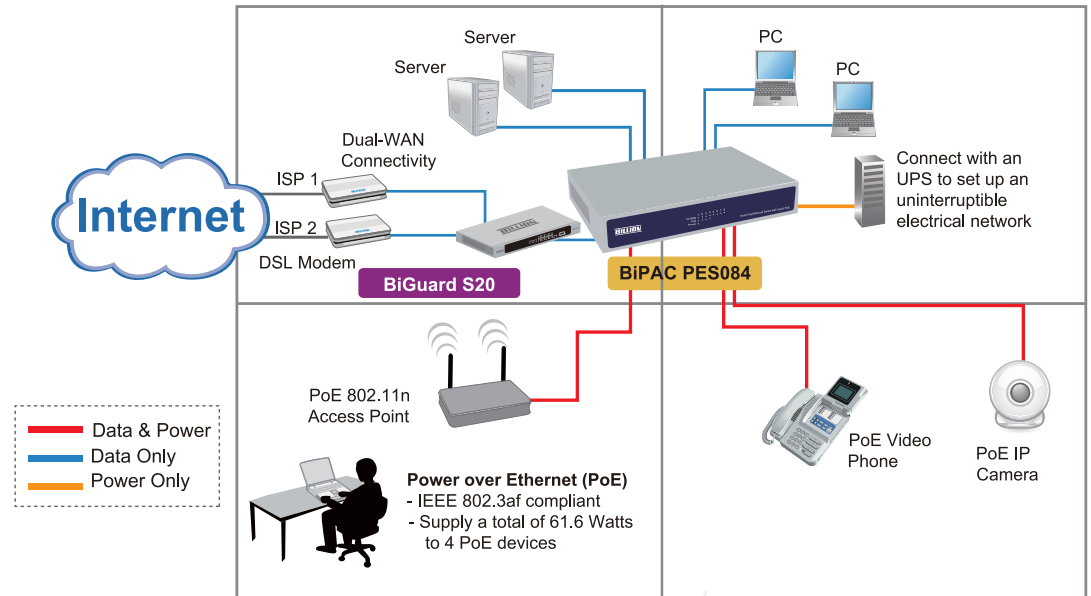
- 24 ports at 10/100/1000Mbps connection
- Up to a total 48Gbps backbone link
- 4 SFP (mini-GBIC) ports slot for optional fiber connection
- Smart Management features:
 - Port mirror, SNMP, QoS - port-base, tag-base, DSCP priority
 - Port aggregation up to 12 groups, max 8 ports per group
 - Up to 24 groups VLAN table
 - Web-based management interface
- 8K MAC address
- 4M bits buffer memory
- 9K bytes jumbo frames
- For business users



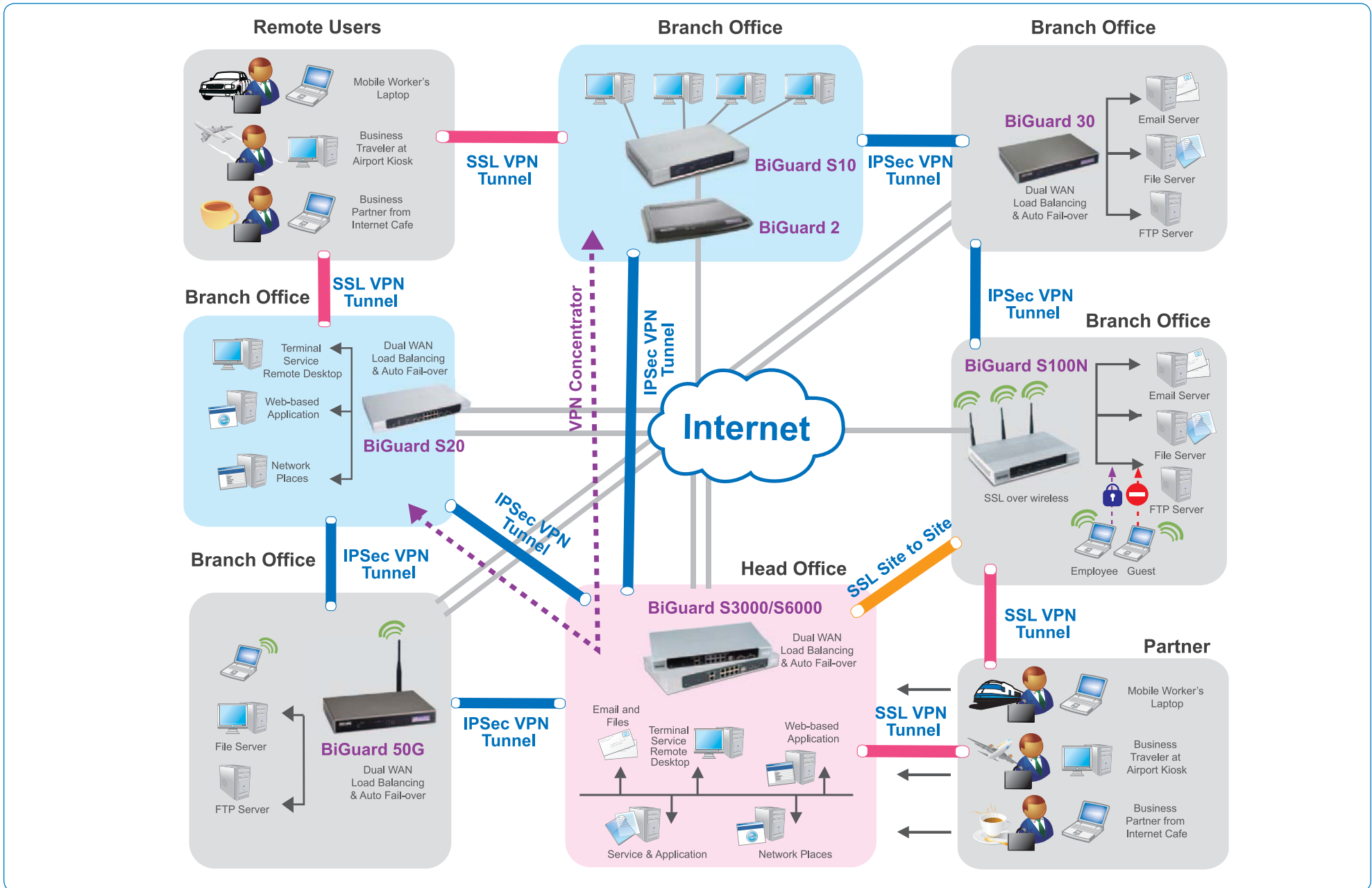
BiPAC PES084

8-port Ethernet Switch with 4-port PoE

- 8 x RJ-45 ports for 10/100Mbps connectivity
- 4 x PoE ports with classification identify
- Supports 15.4W maximum per PoE port
- 1K MAC entries
- 768K bits butter memory
- Rack mountable
- For SOHO & SMB users



Business Network Application Scenario



SSL VPN Gateways



Products & Models	BiGuard S10	BiGuard S20	BiGuard S100N	BiGuard S3000	BiGuard S6000
Concurrent SSL VPN users	10 ~ 20	20	10 ~ 30	10 ~ 50	50 ~ 200
IPSec VPN tunnels	10	30	10	30	30
WAN ports	1x10/100Mbps	2x10/100Mbps	1x10/100/1000Mbps	2x10/100/1000Mbps	2x10/100/1000Mbps
LAN ports	4x10/100Mbps	8x10/100Mbps 1x10/100/1000Mbps	4x10/100/1000Mbps	8x10/100/1000Mbps	8x10/100/1000Mbps
High Availability (HA)				V	V
Load balancing & auto fail-over		V		V	V
Site to Site SSL VPN*	V	V	V	V	V
802.11n with WPA/WPA2, WPS			V		
Wireless Network Access Control (NAC)			V		
3G supported			V*		
Smart Power Saving			V		
Wake On LAN (WOL)	V	V	V	V	V
QoS and firewall	V	V	V	V	V
Host security checking	V	V	V	V	V
End Point Security (EPS) checking			V*	V	V
AD account membership			V*	V	V
Rack mountable	V	V		V	V
Target users	SMB up to 50 staffs	SMB up to 200 staffs	SMB up to 200 staffs	SME 200 to 500 staffs	SME 500 to 1,000 staffs

* to be available.

Highlights on SSL VPN Gateway

- SSL VPN gateway plus solid router functions
- Network/Transport Extender
- Application Proxy
- Network Places
- Green Smart Power Saving
- Host security checking
- Firewall security
- Microsoft Windows Mobile 5.0/6.0 compatible mobile devices support
- Wake On LAN (WOL)
- Data encryption and user authentication
- Supports Citrix
- Supports ERP applications
- Windows/Linux/Macintosh support
- Hardware DMZ support
- Granular access policy management
- Personalized web portal
- Quality of Service

Other Options

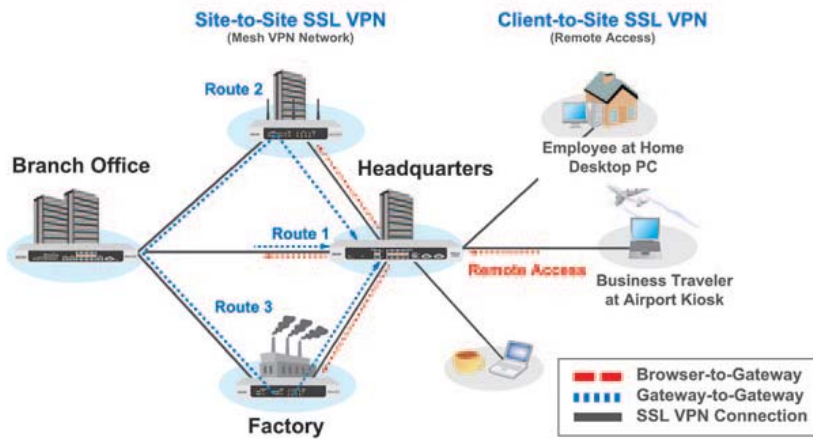
- BiGuard SSL VPN Tunnel Upgrades**
Increases more SSL VPN tunnels by upgrading existing devices
- BiGuard EZSiteConnect**
Enables site to site SSL VPN by upgrading existing devices
- Feature and Firmware Upgrades**

IPSec VPN Gateways



BiGuard EZSiteConnect Application

Billion's BiGuard EZSiteConnect provides a secure and flexible alternative to IPSec VPNs. It supports site-to-site packet filtering, mesh VPN, HTTPS service, and NAT transparent for higher levels of security and flexibility, allowing limited exposure of specific internal resources to partner or supplier network environments.



Products & Models	BiGuard 2	BiGuard 30	BiGuard 50G
WAN ports	1x10/100Mbps	2x10/100Mbps	2x10/100Mbps
LAN ports	8x10/100Mbps	8x10/100Mbps	4x10/100Mbps
Load balancing & auto fail-over		V	V
IPSec VPN/PPTP VPN tunnels	2/4	30/4	50/32
802.11g with WPA/WPA2			V
SIP pass-through	V	V	V
E-mail alerts and logs of attacks	V	V	V
DMZ support	V	V	V
Quality of Service	V	V	V
Traffic management	V	V	V
Firewall	V	V	V
WAN IP alias	V	V	V
Rack mountable		V	V
Target users	SOHO & Branch Office	SMB	SMB

Central Management System

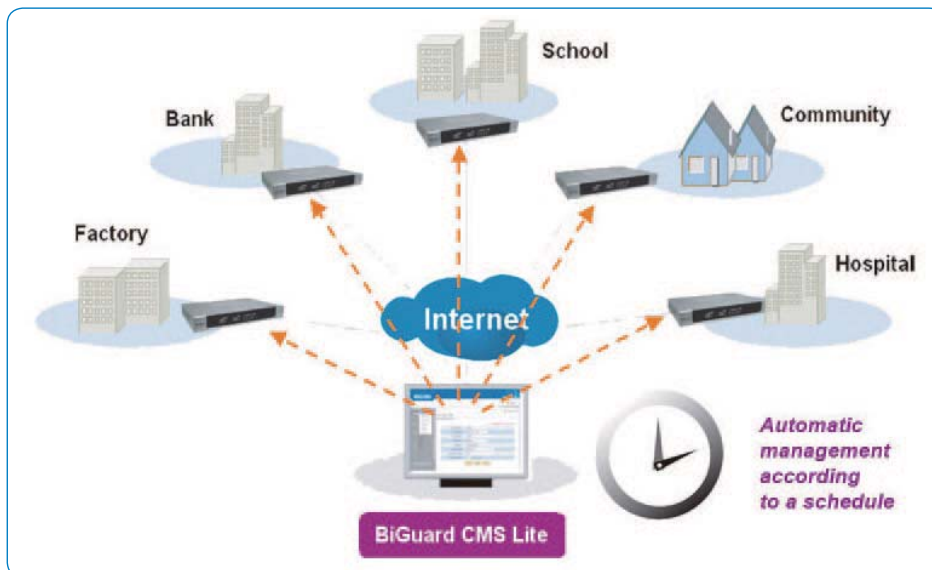
BiGuard CMS Lite

- Native HTML/HTTPS interface between the remote device and BiGuard CMS
- 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
- MS-IE to management device
- Event logs of BiGuard CMS actions
- Supports BiGuard SSL VPN series security appliances
- Supports different levels of central management: 10, 20, 30 devices
- Database backup and restoration (not available in Evaluation version)
- Ideal for SMBs and service providers



BiGuard CMS Pro

- XML/HTTPS interface between the remote device and BiGuard CMS
- Data encryption and CMS server authentication by remote device for secure management
- No client installation needed
- Web-based user interface
- Automatic device discovery
- Remote configuration management
- Supports database backup and restoration (not available in Evaluation version)
- 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 check
- Device model auto-detection
- Fault management
- Real-time monitoring and alerts
- Email alert upon emergency event
- Statistics and log reports
- Security – account management by access level for CMS
- Supports BiGuard SSL VPN series security appliances
- Supports different levels of device management: 10, 30, 60, and 120; central management for 120 above devices is provided with project - based version upon request for Telco and ISPs.
- Ideal for SMBs and service providers





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