



Quick Sales Guide

Small Business Gateway

Introduction

Small businesses count for 28 million companies in the U.S. and over 90% of them are self-employed*. Not only in the US, over 90% of businesses in the EU region are also small businesses ranging from micro size of less than 10 persons to as many as 250 employees**. Some commonly observed facts about small businesses are efficiency-oriented, budget-sensitive and they seek for the lowest OPEX.

Nowadays, network service is no doubt a must infrastructure to businesses—not only for communications but is also an effective tool of providing all kinds of services and supports to their customers. No matter for a sprouting small business or a remote office, there are several requirements and challenges upon building a network:

- Fast, easy deployment
- Minimized initial capital outlay
- Robust, high-availability services
- Reduced maintenance expense
- Solid protection of corporate data and intellectual properties

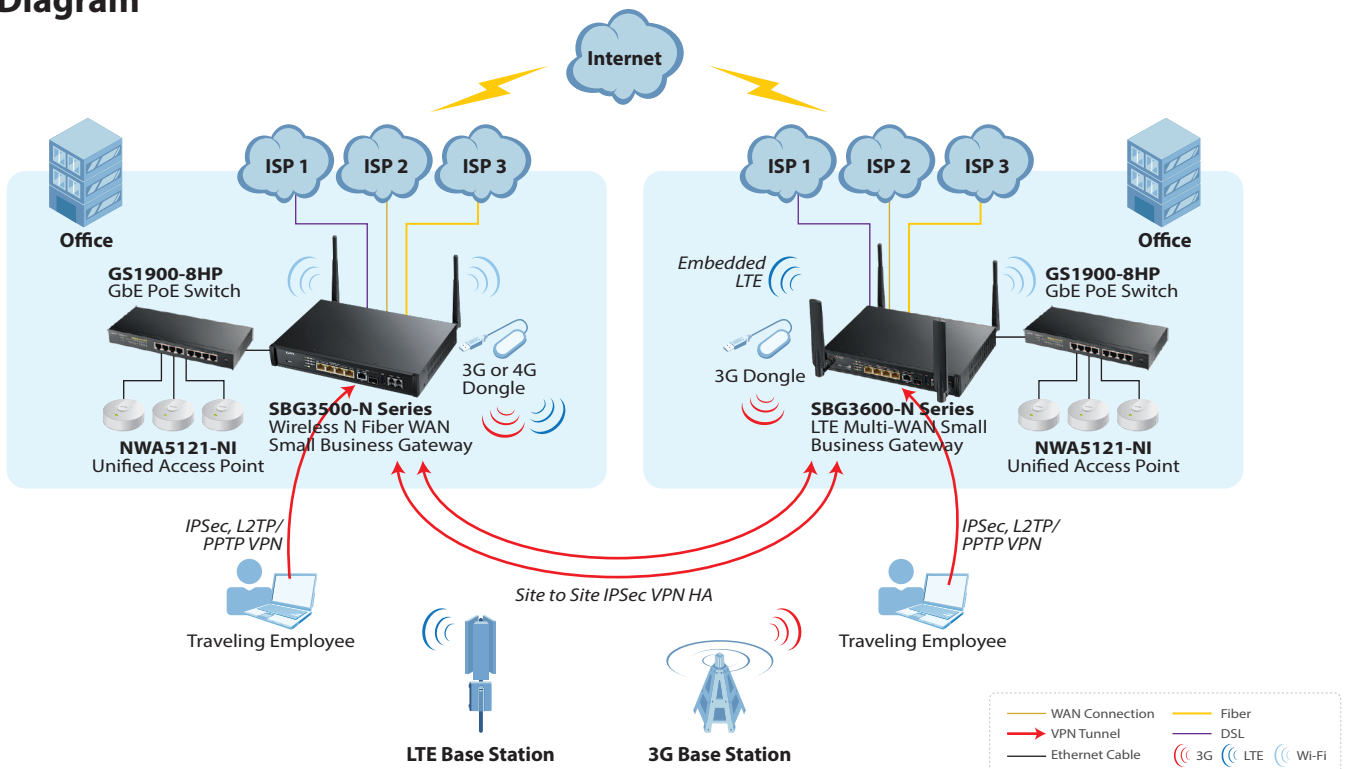
ZyXEL takes all the above into consideration and introduces a series of small business gateways. The ZyXEL SBG Series all featured with multi-WAN for various broadband infrastructure to provide flexibility, load balancing and fail-over to achieve always-connectivity reliability for businesses and managed service providers.

Featuring TR-069, the devices are automatically provisioned while deployed. Integrated with multiple fixed-line WAN as well as broadband WAN, ZyXEL small business gateways guarantee non-stop communications and services. The SBG Series also implements practical security features including VPN, Firewall and URL filtering to give corporate networks strict precautionary measures. Integrated with WLAN controller and SNMP, the SBG Series facilitate the network management for small businesses and protect the investment.

The “office-in-a box” SBG Series enables a network of outstanding performance to support small businesses for their ultimate success.

* Statistic resource from The U.S. Small Business Administration
 ** Statistic from European Small Business Portal - European Commission

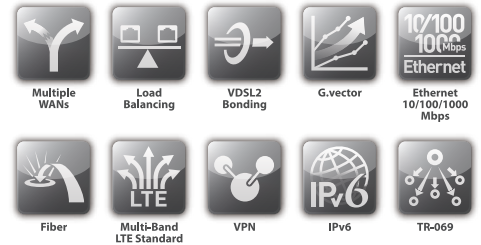
Diagram





SBG3600-N

LTE Multi-WAN Small Business Gateway



Evolved Design Enabling Quality Services for Small Businesses

- Multiple WAN interfaces support for various connectivity capability
- Supports VDSL bonding and vectoring to expand bandwidth on existing infrastructure
- LTE multi-band mobile broadband access enabled for superior business services
- Seamless mobile access via built-in LTE or 3G USB dongle back-up
- Guest management enabled with external/internal AAA captive Web portal support
- VPN, Firewall and URL/key word filtering provide solid data security
- Built-in Wi-Fi controller to simplify WLAN management



SBG3500-N

Wireless N Fiber WAN Small Business Gateway



Compact Mobile Broadband Solution for Small Offices

- Multiple WAN interface support for various connectivity options
- Supports VDSL bonding to expand bandwidth for fixed-lines
- Guest management enabled with external/internal AAA captive Web portal support
- VPN, Firewall and URL/key word filtering provide solid data security
- 3G/4G USB device supported for mobile broadband backup
- Built-in Wi-Fi controller to simplify WLAN management



SBG3300-N

Wireless N Dual-WAN Small Business Gateway



Powering LTE/Wi-Fi Connectivity for Home Offices

- Multi-WAN connectivity with load-balancing and failover
- High bandwidth of up to 300 Mbps for high network performance and coverage
- VPN-encrypted data protection for remote access and site-to-site connections
- Firewall and URL/keyword filtering to prevent network resource abuse
- 3G/4G USB device supported for mobile broadband backup
- Auto provisioning upon installation with TR-069 support

SBG Series Feature Matrix

Model	SBG3600-N	SBG3500-N	SBG3300-N
Description	 LTE Multi-WAN Small Business Gateway	 Wireless N Fiber WAN Small Business Gateway	 Wireless N Dual-WAN Small Business Gateway
WAN			
I/O port	Two RJ-11 connectors for VDSL2/ADSL2+ over POTS One RJ-45 connector for VDSL2/ADSL2+ over ISDN One RJ-45/SFP combo connector for fiber		One RJ-11 connector for VDSL/ ADSL2+ over POTS/ISDN
STD	VDSL2/ADSL2+ 17a Bonding	VDSL2/ADSL2+ 17a Bonding	VDSL2/ADSL2+ Single Line
SIM card slot	Yes	-	-
LAN			
I/O port	Four 10/100/1000M auto MDI/MDIX RJ-45 ports		
DMZ	Yes (LAN selectable)	Yes (LAN selectable)	Yes (LAN selectable)
USB 2.0 port	1	1	2
VLAN	802.1Q VLAN tag support		
Multi-WAN			
WAN load balancing/Failover	DSL/Gigabit Ethernet or SFP/LTE	DSL/Gigabit Ethernet or SFP	DSL/Gigabit Ethernet
Mobile broadband	LTE built-in; 3G external USB dongle	3G/4G external USB dongle	3G/4G external USB dongle
VPN			
Connection	Client-to-site, site-to-site		
VPN protocol	IPSec, PPTP, L2TP/IPSec		
VPN session	Concurrent IPSec 20 VPN tunnels, Max. VPN tunnel 35		
VPN HA	Yes		
VPN throughput*	40 Mbps		
Security			
Stateful Packet Inspection (SPI)	Yes	Yes	Yes
URL keyword blocking (Whitelist and Blacklist)	Yes	Yes	Yes
Time schedule control	Yes	Yes	Yes
Wireless			
Wireless	2x2 802.11n, up to 300 Mbps		
Built-in WLAN controller	Yes	Yes	-
Management			
SNMP MIB II	Yes	Yes	Yes
TR069	Yes	Yes	Yes
Others			
Rack mountable	Yes	Yes	Yes

*VPN throughput is based on RFC 2544 (1,424-byte UDP packets)

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