

VigorIPPBX 2820 Series

IP PBX Features

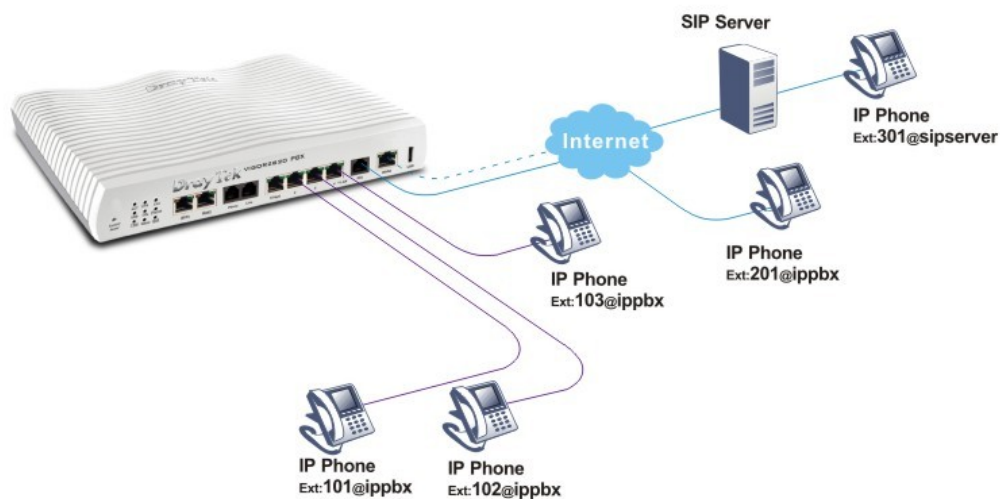
- 50 Accounts (Extensions)
- Registration and Authentication
- BLF (Busy-lamp Field)(Work with VigorPhone 350)
- Hunting Group
- IVR
- Calendar
- Dial Plan (Digi Map)
- Session Monitor
- Call Detail Records
- DID
- Extension Privilege Assign
- PIN Code Control
- Call Barring, Call Routing, Call Park*, Call Pickup
- In/Outbond Call Through FXO Interface*
- In/Outbond Call Through ISDN-TE Interface
- User-defined Prompts
- Automated Attendant
- Voice Message to Email
- Voice Mail
- MWI (Message Waiting Indicator)
- Music on Hold

VoIP

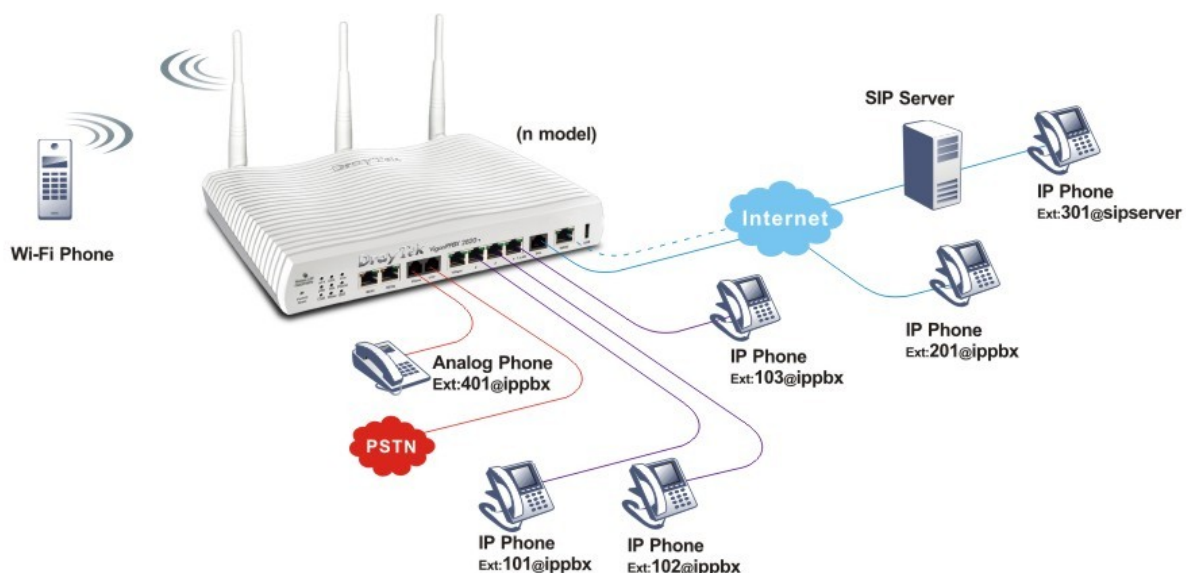
- Protocol: SIP, RTP/RTCP
- 6 SIP Registrars
- G.168 Line Echo-cancellation
- Automatic Gain Control
- Jitter Buffer (180ms)
- Voice codec:
 - G.711, G.723.1, G.726, G.729, VAD/CNG, iLBC*
- DTMF Tone :
 - Inband/Outband (RFC-2833)/SIP Info
- FAX/Modem Support :
 - Tone detection /G.711 Pass-through/T.38 for FAX*

	VoIP	ISDN SO	Wireless
VigorIPPBX 2820n	•	•	•
VigorIPPBX 2820	•	•	

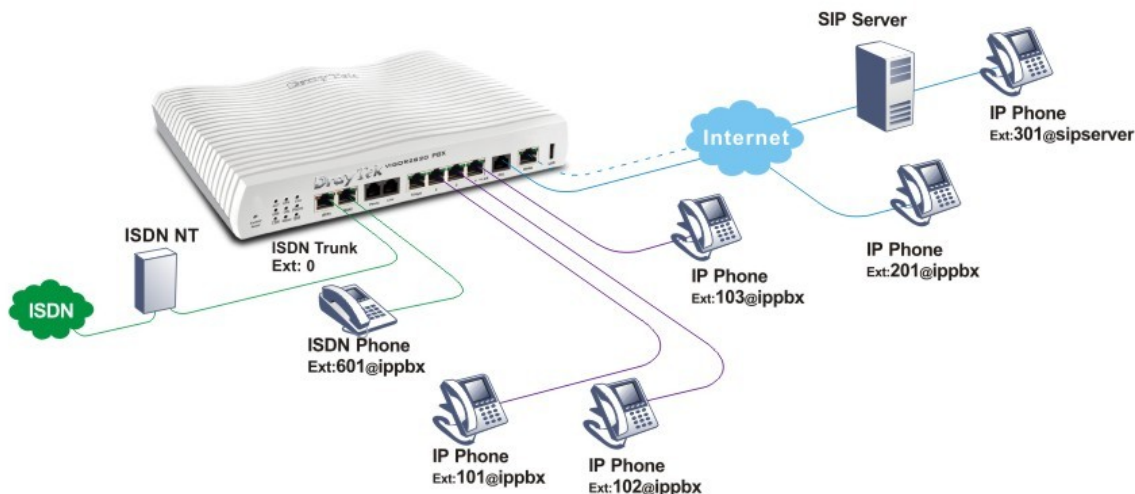
Extendable IP telephony through registrar of VigorIP PBX and SIP service providers



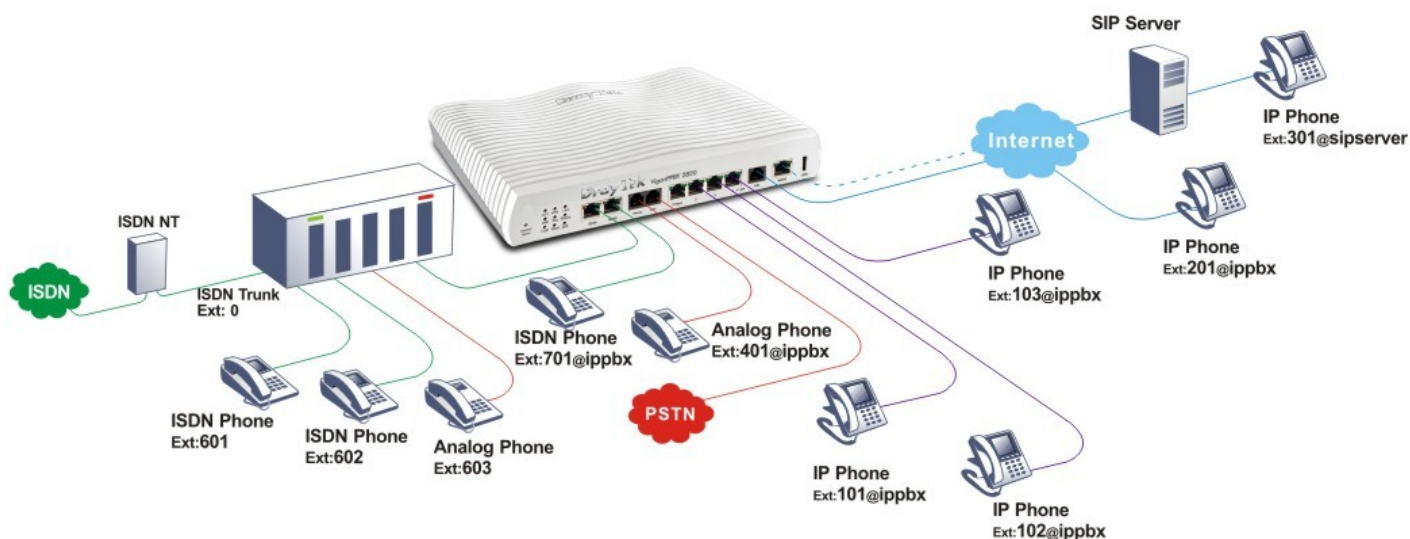
Scalable communications through integration of traditional PSTN network with SIP-based telephony



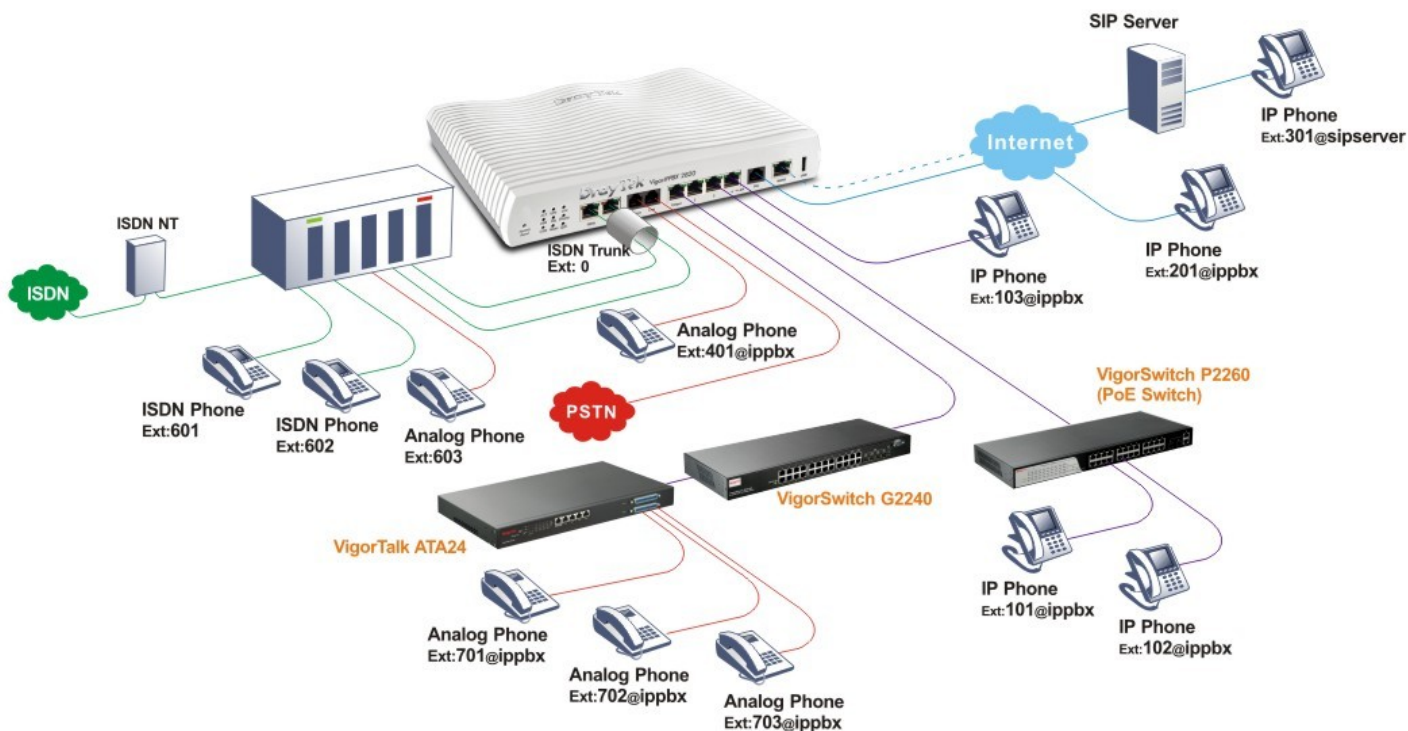
Deployment of ISDN network with SIP-based telephony



Versatile integration of SIP-based telephony by implementation of ISDN PBX and the PSTN network



PoE-switch provides power-saving IP Phone for manageable IP telephony



VigorIPPBX 2820 Series

VPN

- Up to 32 VPN Tunnels
- Protocol : PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption : MPPE and Hardware-based AES/DES/3DES
- Authentication : Hardware-based MD5, SHA-1
- IKE Authentication : Pre-shared Key and Digital Signature (X.509)
- LAN-to-LAN, Teleworker-to-LAN
- DHCP over IPSec
- NAT-traversal (NAT-T)
- Dead Peer Detection (DPD)
- VPN Pass-through

Network Feature

- Port-based VLAN
- DHCP Client/Relay/Server
- IGMP Proxy
- Dynamic DNS
- NTP Client
- Call Scheduling
- RADIUS Client
- DNS Cache/Proxy
- UPnP
- Routing Protocol:
 - Static Routing
 - RIP V2

Bandwidth Management

- QoS :
 - Guarantee Bandwidth for VoIP
 - Class-based Bandwidth Guarantee by User-defined Traffic Categories
 - DiffServ Code Point Classifying
 - 4-level Priority for Each Direction (Inbound/Outbound)
 - Bandwidth Borrowed
- Bandwidth/Session Limitation

Wireless Access Point (n Model)

- IEEE802.11n Compliant
- Wireless Client List
- Wireless LAN Isolation
- 64/128-bit WEP/WPA/WPA2
- WPS
- MAC Address Access Control
- Access Point Discovery
- WDS (Wireless Distribution System)
- 802.1x Authentication
- Hidden SSID
- Multiple SSID
- Wireless Rate-control
- IEEE802.11e : WMM (Wi-Fi Multimedia)

Firewall

- CSM (Content Security Management) for IM/P2P Application and URL/Web Content Filter
- Multi-NAT, DMZ Host, Port-redirection and Open Port
- Object-based Firewall
- SPI (Stateful Packet Inspection) (Flow Track)
- DoS/DDoS Prevention
- IP Address Anti-spoofing
- E-mail Alert and Logging via Syslog
- Bind IP to MAC

Dual-WAN (Ethernet / 3G)

- Outbound Policy-based Load-balance
- BoD (Bandwidth on Demand)
- WAN Connection Failover

ISDN

- Two configurable ISDN NT/TE
- Euro ISDN Compatible
- Automatic ISDN Backup (Port2 Only)
- Support 64 /128Kbps (multilink-PPP) / BoD (Bandwidth on Demand)
- On-Net/Off-Net
- Remote Dial-in / LAN-to-LAN Connection
- Remote Activation

Network Management

- Web-based User Interface (HTTP/HTTPS)
- Quick Start Wizard
- CLI (Command Line Interface, Telnet/SSH)
- Administration Access Control
- Configuration Backup/Restore
- Built-in Diagnostic Function
- Firmware Upgrade via TFTP/FTP/HTTP/TR-069
- Logging via Syslog
- SNMP Management MIB-II
- TR-069 Management
- TR-104 Management

USB

- 3.5G (HSDPA) as 2nd WAN
- Printer Sharing
- File System* :
 - Support FAT32/FAT16 File System*
 - Support FTP Function for File Sharing*
 - Support Samba for Windows File Sharing*

ADSL Compatibility

- ANSI T1.413 Issue2
- ITU-T G.992.1 G.dmt
- ITU-T G.992.2 G.lite
- ITU-T G.992.3 ADSL2 G.dmt.bis
- ITU-T G.992.5 ADSL2+
- Annex L (READSL)
- Annex M
- Multi-PVC

ADSL WAN Protocols

- RFC-2684/RFC-1483 Multiple Protocol over AAL5
- RFC-2516 PPP over Ethernet
- RFC-2364 PPP over AAL5
- PPPoE Pass Through LAN/WLAN
- PPPoE/PPPoA Relay
- Transparent Bridge for MPoA

Ethernet WAN Protocol

- DHCP Client
- Static IP
- PPPoE
- PPTP
- L2TP *

Hardware Interface

- 1 x 1000Base-TX and 3 x 100Base-TX LAN Switch, RJ-45
- 1 x ADSL2/2+ Port
- 1 x 100Base-TX WAN Port, RJ-45
- 1 x Phone, RJ-11
- 1 x Line, RJ-11
- 2 x Configurable (NT/TE), RJ-45
- 1 x Factory Reset Button
- 1 x USB Host 2.0 (for Printer/3G USB Modem/Storage*)
- 3 x Detachable Antennas (n Model)
- 1 x Wireless on/off & WPS Button (n Model)

* Firmware Upgradable