

# Draytek VigorIPPBX 3510 IP-PBX Router & Firewall



Product Name: Draytek VigorIPPBX 3510 IP-PBX Router & Firewall

Manufacturer: Draytek

Model Number: VPBX3510

Please Note: The Draytek VigorIPPBX 3510 IP-PBX Router & Firewall is now End of Life. For alternative products, please see our selection of DrayTek Routers.

VigorIPPBX 3510 IP-PBX and RouterFire

The VigorIPPBX 3510 is a combined IP-PBX (iPBX) and router/firewall. As an IP PBX It offers a complete replacement to the traditional office phone system and analogue or ISDN lines. It also provides integration with legacy systems and lines with optional analogue/ISDN modules, creating a true hybrid system. An IP-PBX uses your existing network (LAN) and the Internet to provide company-wide telephony, using VoIP technology instead of regular phone lines or a traditional PBX. This can save hugely on line rental, provides vast flexibility, reduces call costs, maintenance and increases efficiency. Phones can be placed anywhere in your office, or around the world to provide one seamless phone network for your business. As a Firewall/Router, the VigorIPPBX 3510 provides DrayTek's renowned security and flexibility for your network's Internet connectivity, together with dual-WAN ports for load-balancing or Internet failover. You can connect to any Ethernet-based Internet feed. For ADSL connectivity, just add DrayTek's Vigor 120 ADSL Modem. If you are adding the VigorIPPBX 3510 onto existing infrastructure, you can just use the PBX facilities without the router/firewall functionality.

#### • Physical Interfaces:

- LAN Ports : 3 X 10/100BaseT Ethernet
- WAN Port : 1 X 10/100Base-T Ethernet
- Switchable LAN4/WAN2 Port : 1 X 10/100Base-T Ethernet
- USB Port for 3G Cellular Modem or Printer
- Optional PSTN Modules (max 2)
- 4 Analogue Line Ports (FXO) - Connect to analogue phone lines
- 4 Analogue Extension Ports (FXS) - Connect to analogue phones
- 4 ISDN BRI Busses (4 x TE Ports)
- 4 ISDN BRI Busses (2 x TE / 2 x NT)
- ISDN PRI Bus (TBA)

#### IP PBX Features:

- Up to 100 registered extensions (user accounts) - local or remote
- Registration and authentication
- BLF (Busy-lamp Field)
- Hunting Group
- IVR (Interactive Voice Menus for callers)
- Calendar
- Dial Plan (Phone Book)
- Digit Map (Configurable dialling rules)
- Session Monitor
- Call Detail Records
- DID
- Extension privilege assign
- PIN code control
- Call barring, calling routing, call pickup
- In/Outbound call through ISDN-TE interface
- User-defined prompts
- Automated attendant (IVR)
- Voicemail for each extension
- Voicemail message to email

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- MWI (Message Waiting Indicator)
- Music on Hold

## VoIP Protocols:

- SIP, RTP/ RTCP
- SRTP/ZRTP for VoIP Encryption
- Up to 6 simultaneous SIP registrars (trunks)
- G.168 line echo-cancellation
- Automatic gain control
- Jitter buffer (180ms)
- Voice codecs : G.711, G.723.1, G.726,VAD/CNG, iLBC\*
- DTMF tone : Inband / Outband (RFC-2833)/ SIP Info
- FAX/Modem support : Tone detection / G.711 pass-through / T.38\* for FAX

## TR-069 & TR-104 management Operating Requirements:

- Rack Mountable (brackets included)
- Temperature Operating : 0&deg;C ~ 45&deg;C
- Storage : -25&deg;C ~ 70&deg;C
- Humidity 10% ~ 90% (non-condensing)
- Weight : 1.2Kg
- Power Consumption:
- Dimensions: ( mm )
- Warranty : Two (2) Years RTB
- Power Requirements : 220-240VAC

## VigorIPPBX 3510 - Firewall/Router Features

- Dual Ethernet WAN ports:
- Load-Balancing & Failover (across the WAN ports)
- QoS Features:
- Traffic Shaping
- Bandwidth Reservation (Priority percentage)
- 4 Priority Levels (inbound/outbound)
- Session/Bandwidth Limitation based on IP Address
- Packet Size Control
- DiffServ CodePoint Classifying
- Bandwidth Borrowing
- User-defined class-based rules to allow great flexibility

## Firewall Features:

- Stateful Packet Inspection
- AT (Network Address Translation)
- Multi-NAT - Set one-to-one relationships with your public & private IP pools - Port Redirection / Open Ports Forwarding (with ranges) - Policy-Based IP Packet Filter - DoS/DDoS Protection - IP Address Anti-Spoofing - Object-Based Firewall - Bind-IP-to-MAC Address and prohibit unrecognised clients - Notification - By email or syslog
- DNS Cache/Proxy & DHCP Client/Server/Relay
- NTP Client for time-setting of scheduled events
- Management : Via Web (http/https) or Telnet/SSH
- VPN Support: - Up to 32 Simultaneous VPN Tunnels - Single Teleworker or LAN-to-LAN Connections - NAT-T (NAT Traversal) allows VPN over routers without VPN passthrough - PKI Certificates - IKE authentication : Pre-shared key; IKE phase 1 aggressive/standard modes &

phase 2 selectable lifetimes. - Authentication : Hardware-based MD5, SHA-1 - Encryption : MPPE and hardware-based AES/DES/3DES - Radius Client (for PPTP remote dial-in) - DHCP over IPSec - DPD (Dead Peer Detection) - Detects and terminates dead connections - No per-user/site licencing required

- Interoperability : Compatible with all other leading 3rd party vendor VPN devices
- Web Content Filtering: - URL Keyword Blocking : Whitelist and Blacklist - Block Java, Cookies, ActiveX content
- Block http download of specific file types : Compressed Files, Executable Multimedia
- Block P2P (Peer-to-Peer) Software - Block Instant Messaging Software - Categorical Web Filtering (Subscription Service) - Block all sites in specific categories - Block Web Site access by IP Address (thus allow URLs only) - Time Scheduling - Set times when the filtering operates (office hours, school hours etc.)

**Please Enquire**

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