

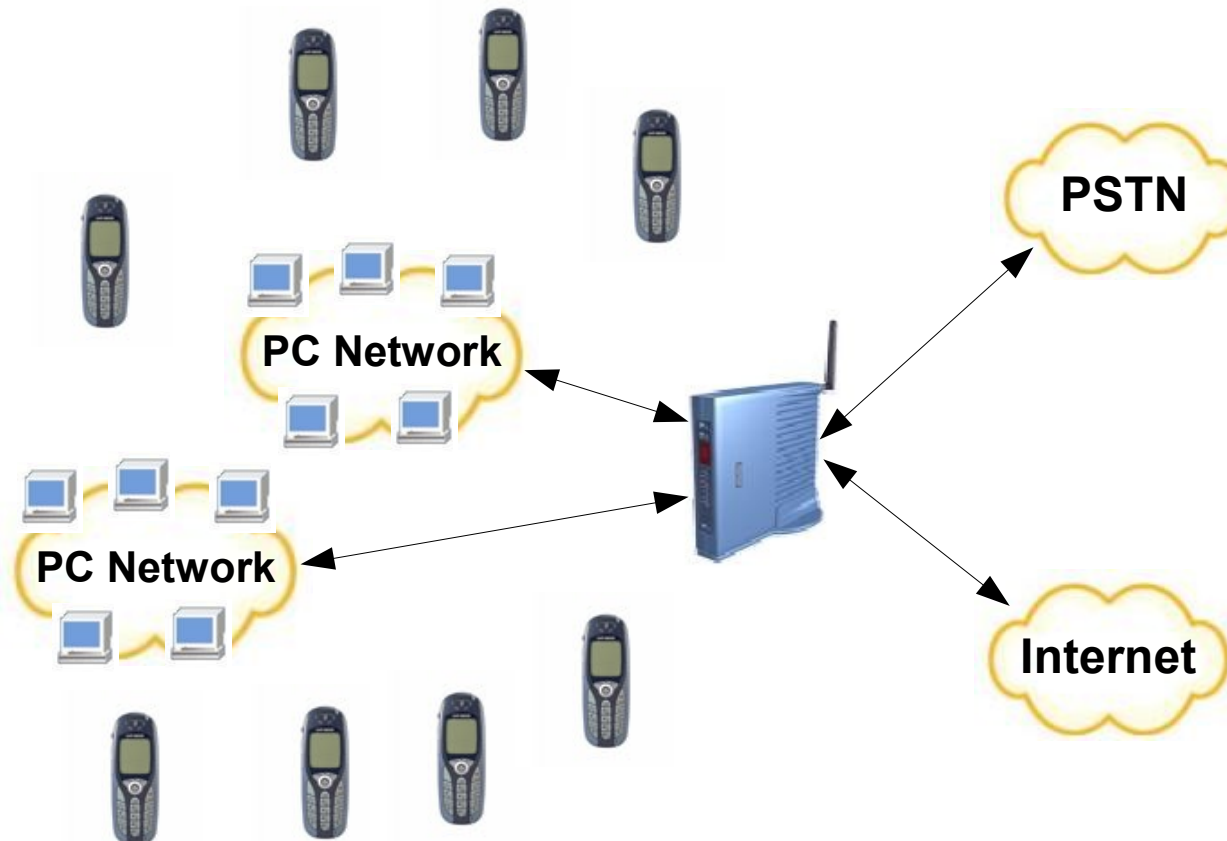
Intertex IX67 FW Air GW with Sip-Switch & Hitachi WIP5000 Bundle

Wireless VoIP using Hitachi Wi-Fi phone handsets with access to VoIP services & traditional PSTN services (for Internet failure backup & cheap local rate calls). Phones all register to proxy server setup on the router (with Sip-Switch), no need to pay service provider for SIP accounts – SIP to SIP calls totally free.

Two subnets of PCs shown here, although there could also be wired IP-phones & more wireless devices (e.g. Laptops with wireless cards). Can support up to 50 users on the network with 30 calls at any given time (depending on Internet connection speed).

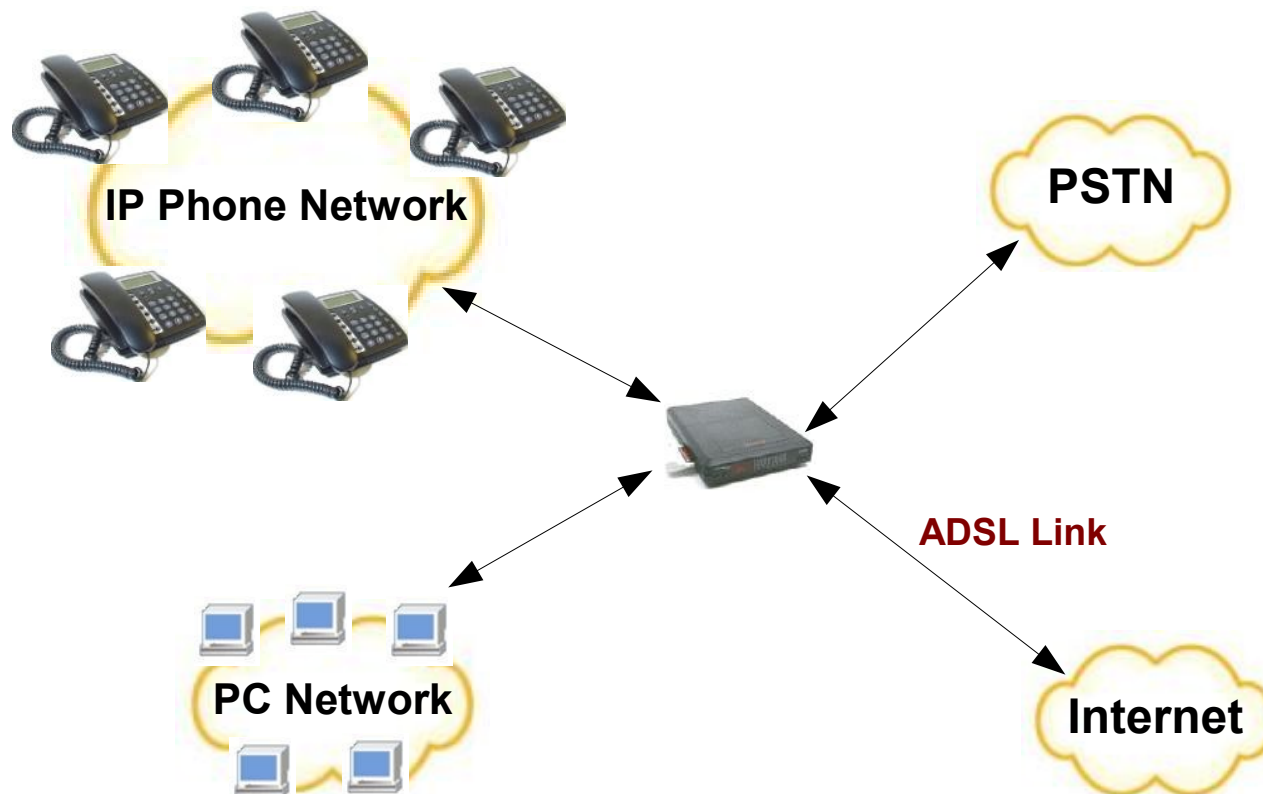
Voice traffic is prioritised over data so phones always get good quality calls depending on wi-fi signal strength & Internet connection speed. Optional SIP-Switch will allow the Intertex router to direct local calls over the PSTN line if required but will still send long distance/international calls over the Internet using VoIP. This ensures the cheapest call rates are always used without the user having to do anything.

All PCs in the networks are firewalled from the Internet although PCs (over even entire subnets) can be opened up to the Internet if required.



Small Business office with ADSL line

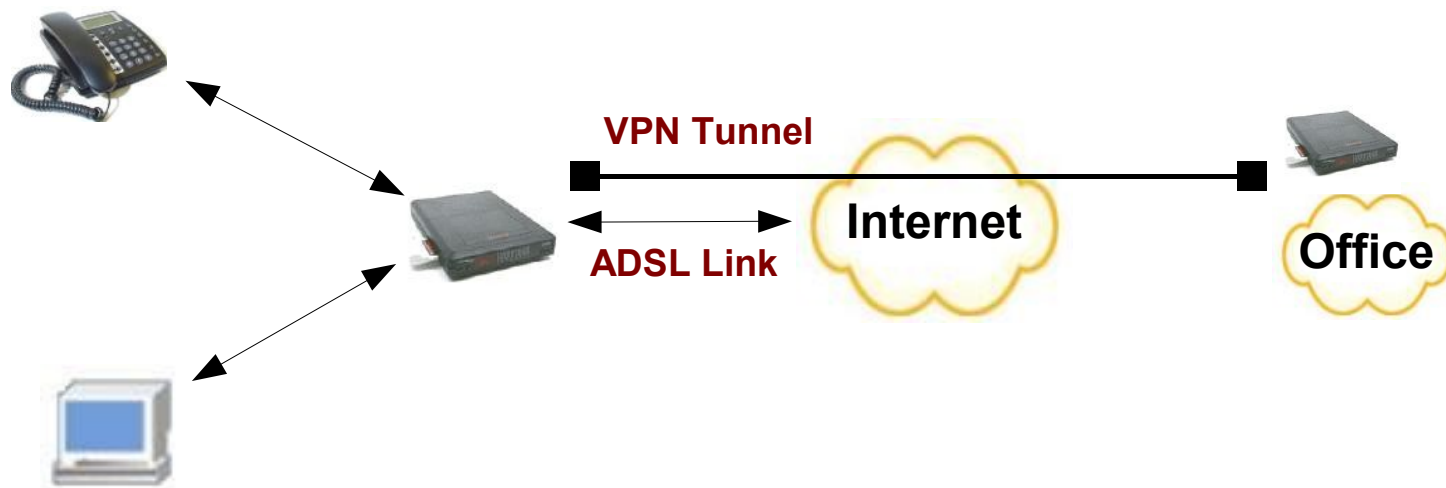
Intertex IX66+ ADSL AirSIP GW & optional Sip-Switch software, bundle of Sipura 841 IP phones and/or Sipura ATAs. The QoS features of the IX66* are extra important due to restricted upstream of ADSL (usually 256k in UK). Possibility to upgrade to wireless using PCMCIA card. Firewall good for up to 20 users on network. The IX66 can handle a maximum 10 calls at any given time, although ADSL would restrict this further depending on upstream speed. The phones & PCs are shown on different subnets here but they could be on the same subnet if required.



* Note: QoS features not always available with UK ADSL

Home Worker with ADSL, single PC & IP phone

Intertex IX66+ ADSL AirSIP, single SPA841 (or a Sipura ATA). Can create a VPN to the office. Registers IP phone with office or any SIP provider. Safe Internet browsing with Firewall which is SIP aware so no trouble with IP phone(s). Office could have another Intertex router with optional VPN termination to make setting home workers up very easy – no need for extra VPN server. All-in-one box: no need for a stack of flashing boxes in the house all using plug sockets.



Business with existing analogue phone system wants integrate VoIP

Intertex IX67 FW GW. Connect existing PBX system to the FXO port of IX67. IP phones use PBX to breakout to PSTN – all existing analogue phones remain on PBX – gradually coming over to IP using Sipura ATAs. Eventually all phones are using IP & the PBX is de-commissioned, the PSTN simply plugs directly into the FXO port of the Intertex bypassing the PBX. Internet shown provided by an existing ADSL modem. Old phones would eventually be replaced by dedicated IP phones to take full advantage of VoIP features. Would be an ideal time to purchase SIP-switch add on feature to provide IP-PBX functionality.

