

Managed Softswitch Partition Product

Interoute Virtual
Voice Network

today*

*the next
generation
network

Welcome to your future network

The Interoute Virtual Voice Network (VFN) is an advanced IP and TDM network opening up a new world of next generation telecommunications.

Uniquely, VFN is built on Interoute's wholly owned fibre, giving almost limitless capacity between switched hubs. With managed network capability on VFN, your suppliers and customers can deal with you instantly and seamlessly whether they interconnect in London or Frankfurt, Paris or New York.

Your dedicated switch capacity can be distributed as widely as you wish over the network and all managed from a central console on your desktop – building suppliers into a single routing list, whether IP or TDM, and wherever they interconnect.

With a single reporting facility on all traffic wherever it may arise, billing and reconciliation are simplified.

Whether you are contemplating a step into IP, seeking to expand conventional capacity, or evaluating outsourcing your network operations altogether, VFN offers a resilient, flexible and economical solution.

Moving to VFN is easy and can be accomplished a step at a time – your dedicated partition can start with as little as one E1 port and grow as you migrate. Our web portal makes ongoing addition and management of new customers and routes a simple affair.

Most of all VFN is fully managed for you, allowing you to forget about maintenance, software and hosting and concentrate on your customers, your suppliers, your business.

VFN - Carriers and Switched Voice Operators

interoute 

A new way forward

The Next Generation Network – IP at heart, interconnecting with either IP or TDM voice at the edge. Working with all the right sets of initials – SIP, H323, C7. And all intelligently managed through soft switches.

This is a picture of the future of telecoms that you may recognise. (In the ideal world you might like to get there one day) In the meantime your customers are already asking for IP interconnect, and there are a host of new independent suppliers with interesting IP-only routes to consider.

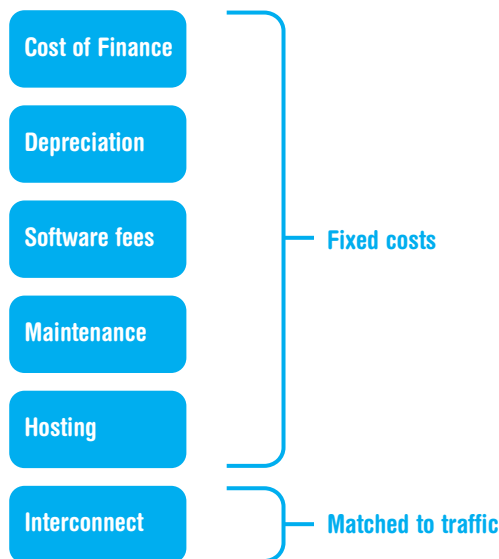
Perhaps you've debated adding an IP gateway to your existing TDM infrastructure. Perhaps the thought of replacing your 'legacy' switches has crossed your mind.

Either way there is the question of adding to capital employed and a new raft of fixed overheads for engineers, hosting and maintenance. And all at a time when your competitors are contemplating the same moves. Just how much will you have to pay to stand still?

Interoute VVN offers you a turnkey next generation network, without any new capital expenditure and associated operational overhead. And with near limitless capacity and a clear technology path into the future, you will never be limited by your choice of a VVN managed solution.

A commitment that grows only as fast as you do

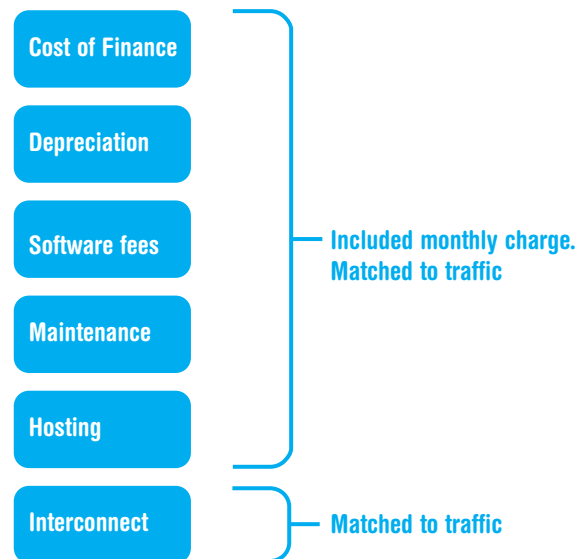
Owned switch



Take a look at the breakdown of costs on a conventional solution using a wholly owned switch compared to growing capacity with VVN.

VVN's simple model of combining all network, equipment and maintenance charges in a single monthly fee linked to capacity makes your planning so much easier.

Grow with VVN



In fact you may decide that outsourcing all your technical infrastructure to VVN, will allow you to concentrate on your customers. Others have already made this choice! With your own capacity and routing managed remotely, by you alone, the only difference you will see with owning your own switch and network is the saving in management time and overheads.

Manage your interconnect just as now

In the world of IP traffic, managing capacity is vital. An IP interconnect of 2MB/s is able to carry far more than the 30 channels of an E1 – and the number of simultaneous channels can vary depending on compression used. If you are linking an IP supplier with conventionally connected TDM customers, or vice versa, you need to be able to match your commitments to your counterparties.

VVN builds in a solution to this – you can set the simultaneous channels available at any of your IP interconnects. That means that you can offer or buy ‘an E1’ of capacity either way and be fully in control.

Protect your margins

Your supplier gives you the IP address of his gateway. Your customer gives you his. How do you preserve your unique relationship with both counterparties without giving away their identities, each to the other?

The answer lies in VVN’s ‘back to back’ management capability. Give each partner your address on the VVN network. Each will trade capacity with you while never being put in direct contact with the other.

Be everywhere. Now.

Do you need to interconnect all your customers and suppliers in London? In New York? How much do those requirements cost you, your suppliers or customers?

VVN holds a truly unique capability. When you buy managed capacity with VVN, you buy it anywhere on Interoute’s unparalleled fibre network, including European metro networks and New York.

Have a supplier in France? They only have to get to Paris. A customer in Germany? If Frankfurt is easier for them than London, then Frankfurt it can be.

VVN can give you an instant foothold in new territories. And that includes the new Europe. We are pushing VVN eastwards through our recent acquisition of networks into Central and Eastern Europe.

All these points of presence and the interconnect between them are included in your VVN monthly fee. Think of VVN not as international capacity, or switch partition rental, but as a combination of these and more – a true outsourced infrastructure.

Our Virtual Voice Network can even make you a completely virtual carrier – concentrating on your vital customer and supplier relationships and leaving the rest to us.

Give your business and residential customers what they want...

In 2004, VVN will see the addition of Class 5 services such as voicemail and hosted PABX facilities. Right now the interconnects at major peering centres allow VOIP Quality of Service management from ISP through to the network, meaning that even demanding business customers can be satisfied.

With the facilities of a leading Next Generation Network at your disposal, you can offer mixed IP and conventional VPN dialling plans and pricing without additional investment in equipment or technical resource.

Competition is never going to disappear, and has never been keener in telecoms. VVN allows you to retain customers through service and features, not through lowering prices.

Wherever they want it...

Not only does VVN reach all major peering centres, but it already interconnects with most domestic European carriers. That means it is easier to grow with your corporate customers and supply them with cross-border services.

Whether in the new EU states or more familiar markets, we can take you wherever your customers want to go, quickly and easily.

And however they want it...

VVN handles the familiar telecoms standards, including full Q931 signalling for your leased line customers. Carriers already connected will be pleased to offer ingress and numbering services if you don't already manage these yourself.

The IP world can be more challenging, with numerous Customer Equipment vendors implementing solutions in slightly different ways.

In specification, VVN boasts the right credentials, supporting SIP, H323 and other protocols, and also supporting all common compression methods.

In use, VVN proves itself remarkably versatile. Any VOIP connection causes VVN to automatically draw on more than three hundred pre-configured settings conforming to the combination of equipment and configuration detected. And this library can be added to in the unlikely even of VVN encountering a setup it has not met with before.

The outcome is that your customers – whether they have a conventional PABX or VOIP equipment from Mitel, Cisco, Alcatel or other vendor, or using Asterisk, or in fact virtually any equipment you might think of, will connect to VVN without a hitch.

Network capability

VVN is based on Interoute's wholly owned fibre network and switching equipment is provided by Sonus, in use at carriers worldwide. And our backup, redundancy and failover arrangements are what you would expect of a network already relied on by ISPs, carriers and corporate clients.

You can start today

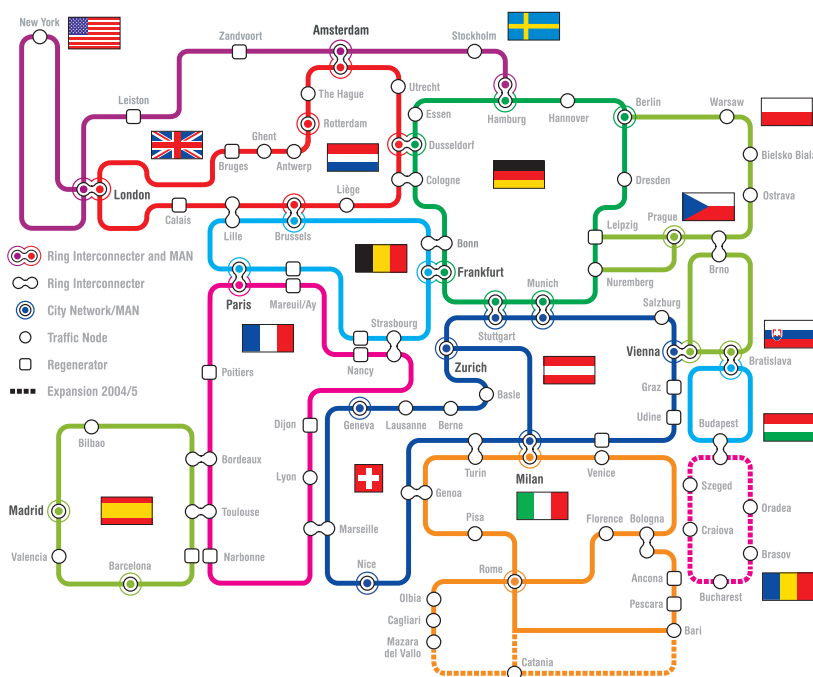
With switch capacity available from a single port, migrating to VVN is an easy process and need not be done all at once. Europe's most advanced telecommunications network can be used, at first, simply to interconnect your existing switch with the IP world. Or you could start with a single interconnect, and a single route. Our engineers (your engineers!) are here to help you.

Opting for a VVN managed solution takes the risk out of a move into Next Generation telephony.

About Interoute

As Europe's fastest growing technology provider, Interoute owns and operates Europe's most advanced and densely connected voice and data network, offering unparalleled homogeneity, reach and capacity. Our fibre optic network, consists of eight rings connecting 61 cities in sixteen countries across 23,500 route kilometres and has the capacity to carry a petabit (a billion megabits per second) of traffic. We have also built metropolitan area networks (MANs) in 21 major European centres of business. Having also recently expanded into Central Europe, and with further expansion planned we are the operator of choice for Europe.

Interoute network



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This information was correct at the time of going to press. However, because of the rapid growth of Interoute's business, details are likely to change.