



# ViPNet VPN

Securely Connected

# New Kind of VPN

VPN solutions under the ViPNet brand have many technologically distinguishing features, which set them apart from the classic VPN products. Eminent adaptability of the ViPNet technology makes it possible to implement highly flexible VPN scenarios for mobile users or to create many individual highly secure virtual areas within the network.

IT specialists typically associate a VPN with hardware solutions, gateways, and technologies such as IPSec and SSL. However, ViPNet is forging completely new pathways. Having a more flexible structure than those traditional products, ViPNet solutions can be used to create small or large networks whose endpoints are protected.

Though the ViPNet technology supports VPN connections of all types, it focuses primarily on point-to-point connections. But the product also has an innovative symmetric key system in store for you, which provides direct encrypted communication between two remote sites.

In addition to the advantages in terms of a variable topology design, the symmetric key management demonstrates basically no vulnerability as opposed to the Public Key Infrastructure (PKI). Unlike the PKI, ViPNet requires no security association to establish a connection between two objects. Direct encrypted data exchange or an immediate connection recovery are unique selling points of the ViPNet technology.

## ViPNet Features at a Glance

- 1 Can be used as a purely software-based solution or integrated into specific devices and gateways
- 2 Symmetric encryption methods for immediate and stable connections
- 3 Modular design, easy and quick to adapt to existing network structures
- 4 Scalable for individual purposes
- 5 User-friendly
- 6 Transparent for all applications
- 7 Free test version: Try-and-Buy
- 8 Compatible with major operating systems
- 9 Integration with mobile devices, such as smartphones and tablets
- 10 Outstanding price/capacity correlation

# Widely Applicable Technology

## Ideal VPN Solution for SMBs

Do you run a small or medium-sized business and is it your top priority to protect your company's information? Are you looking for a high-quality, precisely customized solution?

Infotecs offers you a security solution that can be adapted to the ever-changing needs of your company at any time, either as a purely software-based VPN solution or as a solution using specific endpoints and gateways. You can expand your ViPNet network any time without disrupting the workflow.



## VPN for Industry

Two areas that need protection can be clearly defined for the industry. On the one hand, there is the internal area, which is a part of a local network, where the manufacturing facilities should be brought together in a protected area. On the other hand, the facilities should be accessible from the Internet — whether for remote maintenance, monitoring status, remote management, or point-to-point communication, for access by the vendor or by business partners.

The ViPNet technology is designed to implement any of the scenarios listed above, or all of them, without the risk of limiting the advantages of modern manufacturing facilities.



## Monitoring the Protected IT Landscape

Whether it comes to industrial manufacturing facilities or large distributed network structures in other sectors, with the requirements of fast-going modern business processes, it becomes more and more important to be able to continuously monitor the critical systems. However, efficient system monitoring can be implemented without risk only if it does not create potential vulnerabilities for unauthorized access.

With the ViPNet technology, up to 20,000 endpoints in the protected environment can be monitored and their state can be analyzed.



# The “Do-it-Yourself” VPN Kit

The ViPNet VPN software suite is modular and contains all components for deploying and managing a protected VPN of any size and topology. The ViPNet Network Manager, ViPNet Coordinator, and ViPNet Client programs are three main software components included in the ViPNet VPN software suite. This ensures a quick and easy rollout of the solution. Thanks to the software suite’s modularity, your ViPNet VPN network can be expanded any time to reflect the scope and the specific features of the respective IT landscape.



## ViPNet Network Manager

is designed to create and manage the logical structure of a ViPNet network as well as to create encryption keys. A user-friendly wizard will help you deploy a protected VPN and configure it step by step.

## ViPNet Policy Manager

is designed to centrally manage security policies at the VPN endpoints. Each workstation or server with ViPNet Client or ViPNet Coordinator has an integrated firewall and other means of protection against network attacks. With ViPNet Policy Manager, you can make different settings for ViPNet hosts and ViPNet host groups and send them all at once.

## ViPNet StateWatcher

helps you avoid failures and performance constraints in the relevant systems. ViPNet StateWatcher is designed to centrally monitor ViPNet VPN objects. The purpose of this program is to monitor and report the state of the objects, as well as notify you promptly about events occurring on them.

# ViPNet Coordinator

functions as a rendezvous server of VPN connections for all clients. Every ViPNet network requires at least one coordinator as an IP addresses server. In addition, as a VPN server, a coordinator has the features of a firewall, a proxy, tunneling, and secure email server. ViPNet Coordinator is distributed in the following forms:

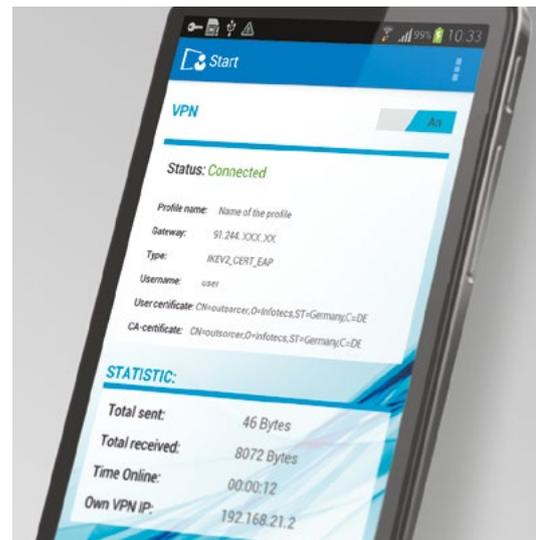
- ViPNet Coordinator software can be used on all Windows operating systems
- ViPNet Coordinator VA is a virtual appliance for use in virtual environments
- ViPNet Coordinator HW is a software appliance as an image for use in specific devices such as industrial PCs

ViPNet Coordinator VA and HW are based on the specifically designed Infotecs OS and can be expanded with the following properties in addition to the standard functions listed above:

- Proxy server with content control & anti-virus
- SIP VoIP telephony system
- IPSec gateway (enables the integration of traditional VPNs when configuring heterogeneous networks by combining ViPNet with IPSec)

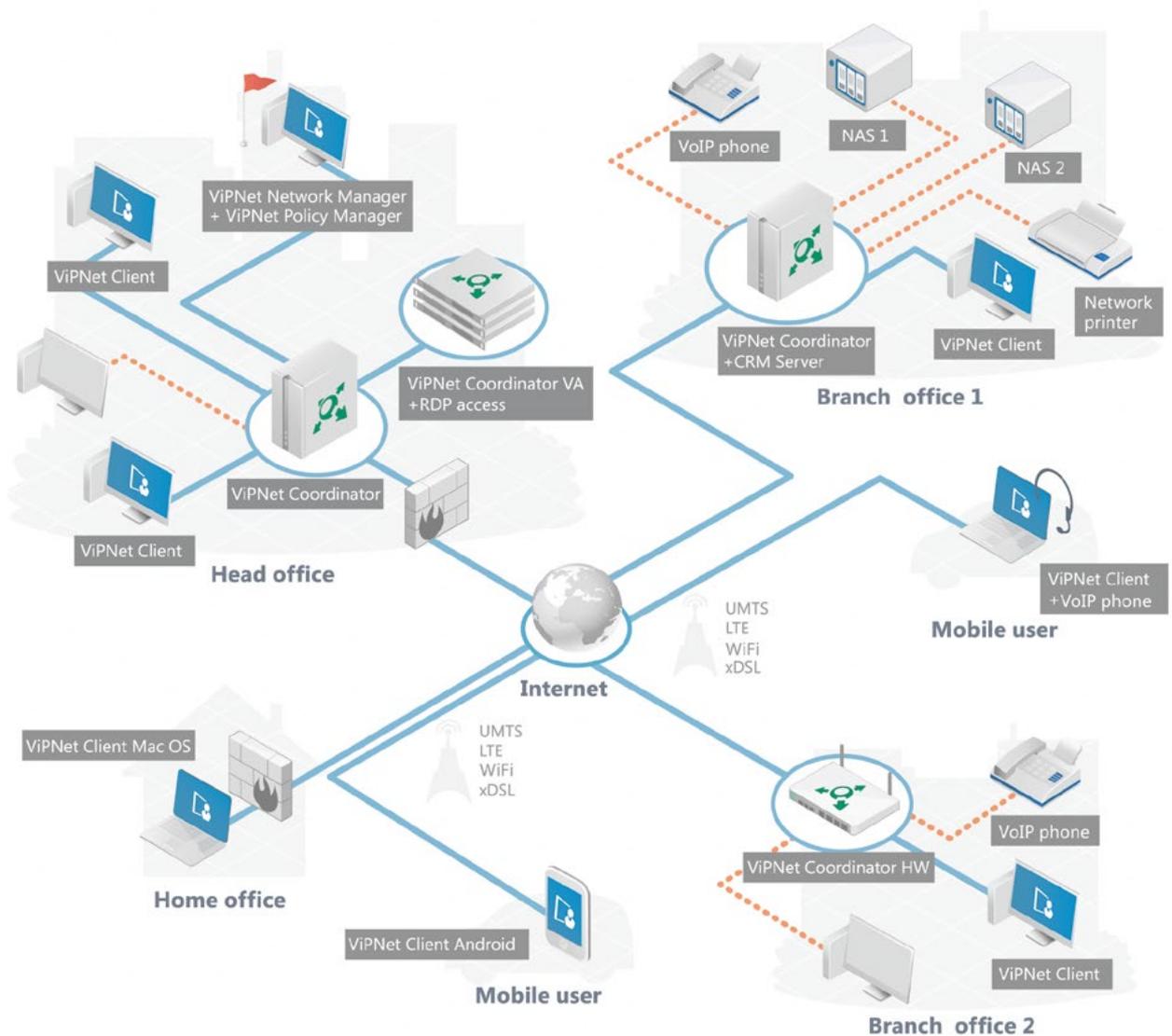
# ViPNet Client

is end-user software that provides comprehensive network protection and reliable access to your network resources. In addition, it has integrated tools for secure communication. With these tools, you can encrypt and digitally sign emails, communicate via Instant Messaging, and exchange files directly with other VPN hosts. Auto-discovery of network settings specified in ViPNet Network Manager and predefined security levels allow you to install all the required software without advanced knowledge of network technologies. ViPNet Client is available for Windows, Mac OS and Android operating systems.



# Solution that Suits Everyone

With ViPNet VPN, you can create classic tunneled connections to servers, VoIP devices, industrial control systems or other network endpoints, as well as between geographically distributed offices. However, the full potential of the solution unfolds when you use it for client-to-client connections, where the endpoints are protected and the IP traffic is controlled in every network segment. Connections between mobile devices can be established without using any additional devices. If necessary, you can deploy a virtual network over certain local network areas to organize highly protected segments. Of course, you can combine various connection types within a ViPNet network up to your needs, as shown in the figure.



 ViPNet Network Manager

 ViPNet Coordinator HW/VA

 Protected IP traffic

 ViPNet Coordinator

 ViPNet Client for Windows/Mac OS/Android

 Unprotected IP traffic

# Rent-a-VPN

The ViPNet technology gives a completely new meaning to a notion such as "VPN Outsourcing": You don't only provide your customers with a perfect security service, but you also receive an instrument for establishing a long-lasting collaboration with them.

Not every organization can afford an IT department. Highly qualified security specialists are rare and costly. To let your end users focus on their business, you take on the task of protecting their traffic.

## MVS TARGET GROUPS:

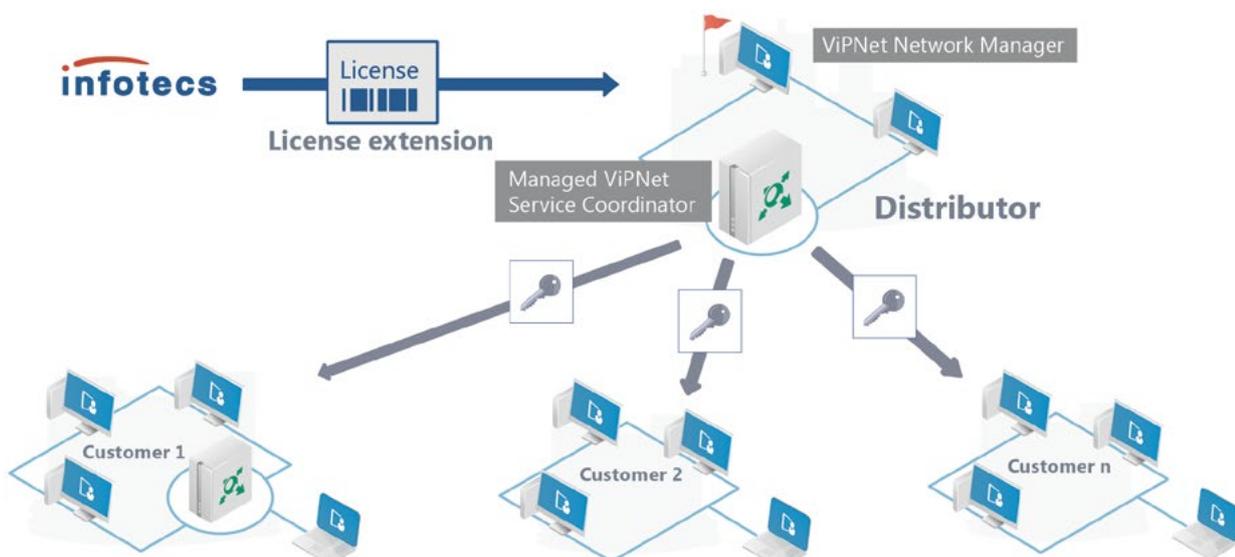
- Small and medium-size enterprises
- Enterprises with no opportunity to deploy a full VPN infrastructure for budget or personal reasons
- Enterprises that want to follow information security legal regulations
- Enterprises that still avoid using the internet for security concerns

Thanks to the ViPNet technology, the VPN solutions developed by Infotecs can be used for VPN outsourcing. Managed ViPNet Service (MVS) provides the following benefits:

- Customized creation, implementation, and centralized management of multiple organizations' VPN networks of any size
- Favorable monthly payments for your clients instead of high investments in a VPN of their own and regular payments for its administration
- A combination of a price-attractive security service with the ability to offer additional IT services on a rental basis.

In classical VPN outsourcing, VPN gateways are always deployed on the customer's side and managed there. VPN connections between your customer's PCs are established only via these gateways, which require a static IP address or a fixed DNS name and must be managed separately.

Thanks to the ViPNet technology, the use of a VPN gateway on the customer's side is not absolutely necessary: a unique VPN gateway (ViPNet Coordinator) is deployed on the VPN provider's side and assigns IP addresses to ViPNet clients. ViPNet clients can be installed on the customer's workstations and servers. The clients can exchange encrypted data directly, even with dynamic IP addresses and regardless of their physical location.





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