

Unlimited

HiPath 4000. The new and improved, real time IP system for medium to large enterprises.

Communication for the open minded

Siemens Enterprise Communications
www.siemens.com/open

SIEMENS

Get-up -

HiPath 4000 introduces a resourceful range of new features to your enterprise communications

As a successful company, you know how important communication is for your business. Regardless of whether you have only one very large location, or work across a network of satellites and branch offices, the quality and efficiency of your communications plays a hugely significant role in ensuring the smooth and efficient flow of business processes.

The trouble is, with an increasingly mobile workforce using many disparate forms of communication, it's easy to end up with a fragmented environment that makes managing information and integrating business applications an almost impossible task. So how do you meet demand for maximum service quality and accessibility, as well as addressing the collaboration needs of customers and colleagues?

The answer is HiPath 4000

Now there's a simple and straightforward way to embrace all the advantages of seamless collaboration with a clear migration path towards Open Communications. HiPath 4000 is the innovative, real time, IP system that delivers IP-based communications along with the service spectrum of telephone line communications systems – all with impressive resilience, security and reliability.

Designed for medium-sized to very large companies or organizations that place the highest demands on safety, flexibility and services, HiPath provides a gateway to Open Communications. Suitable for companies with de-centralised locations, discrete architecture, or those with a campus structure, the shared open IP architecture provides users with a consistent set of communications services regardless of their location, network or device.

and-go

Switch on innovative communications

So what does that mean for business? Quite simply it gives you more get-up-and-go. It speeds up processes, eliminates the duplication of tasks and enables faster decision making. A solution that improves communications across your entire network.

And with new features such as Public Key Infrastructure security, Virtual Numbering and Fixed Mobile Convenience, you can rest assured it's also the best in its class.

HiPath 4000 is ideal for integrating into your current environment as well as any intelligent applications that you may adopt in the future. A particularly economical decision that's focused on delivering a return on your investment.

"IP communication must be efficient and secure."

Dirk Klöckner, Vice President IT,
Viessmann Werke GmbH & Co KG

Know

PKI Security, Virtual Numbering Plan, Fixed Mobile Convenience and the world's first Open Communications device. Is there anything it can't do?

Siemens is unique in providing complete solutions that comprise of wireless infrastructures, user applications and devices; end-to-end solutions that offer a high return on investment, low total cost of ownership and smooth implementation. HiPath 4000 is a great example. By combining the well-known strengths of TDM technology and the advantages of Voice over IP architecture, it promises a comprehensive range of resilience functions, including modular, multi-level redundancy, failure safety and access protection.

Take a look at the great features you could enjoy with HiPath 4000:

Public Key Infrastructure (PKI Security)

Signalling and Payload encryption provides the encryption of confidential voice traffic within the HiPath 4000 and connected IP endpoints, IP Trunking and IPDA (IP Distributed Architecture). This offers confidence, authentication and integrity by using the existing Public Key Infrastructure.

Virtual Numbering Plan

With HiPath 4000 you can now also assign a telephone number multiple times for TDM or IP systems as well as giving that number varying lengths. So your people can use the same extension whichever branch they're working from in your organization. Not only does this facilitate easy branch office integration, it also conforms to historical numbering plans, making organizational structures both easy to implement and maintain.

Fixed Mobile Convenience

Thanks to HiPath MobileConnect you can also enjoy Fixed Mobile Convenience. The dual mode device automatically selects the best available network, whether that be office, mobile, home or wireless hotspots. The call is then transferred seamlessly to ensure the lowest cost and highest communication quality of every single call. An ingenious way to free up your mobile workforce while gaining even closer control of costs.

OpenStage improves satisfaction and efficiency

HiPath 4000 also comes with Siemens' OpenStage phones - the world's first Open Communications device. An outstanding device, this stylish IP phone brings Open Communications to your desktop with its advanced functionality, best in class acoustics and highly personalized interface with productivity enhancing office applications.

» *"Being able to support and talk with our customers is important to Shimano. We try to make sure that quality is reflected in our customer communication. Our new solution fully supports our ability to live by those values."*
Bill Crane, Communications Manager,
Shimano American Corp

- it - all

Ultra safe and reliable

Our innovative routing, comprehensive firewalls, intelligent survivability and immediate diversion in the event of failures ensures an ultra smooth and secure operation - even in the case of host failure.

The "mix and match" modular communications architecture supports a wide range of communications options, standards and protocols. Integrated gateways enable dynamic switching between the systems to ensure maximum flexibility.

Flexible and standard based

Whether you have a feature-rich IP or TDM-based system, HiPath 4000 is designed to integrate with your existing environment and provide ongoing support for existing analog and digital equipment. It supports the open standard SIP (Session Initiation Protocol), which means smooth migration, easy integration and reliable investment protection – today and in the future.

OpenPath migration

Not sure how to implement the change? Moving towards Open Communications may appear complex, but our OpenPath transformation strategy provides you with a choice of defined routes that can achieve the change you're looking for - all at a pace to suit you.

The most appropriate strategies for HiPath 4000 are Optimise and Enhance. Optimise, lets you maximise your existing environment and pave the way for the future. Enhance, allows you to make incremental improvements and add capability with the minimum of disruption. Or you can implement Open Communications on an enterprise-wide scale with Transform and see immediate benefits.

Technical

Your at-a-glance guide to the main features and functionality of HiPath 4000.

Highly scalable with low complexity

Usable and expandable, HiPath 4000 easily accommodates the very smallest and the largest expansion. It can support up to 15 directly connected access points and up to 83 additional access points distributed via IP, thereby handling up to 12,000 users on one system or 100,000 in a Network without any problems.

Almost limitless expandability

Suitable for very large companies or of those that expect future growth, its scalability means that with HiPath 4000, you'll always have the flexibility for further expansions as existing systems are easily integrated into its infrastructure.

HiPath ComScendo on a Button Suite

HiPath ComScendo on a Button Suite is a standard package offering new features for increased productivity at the work station, when connected to a system telephone with display or an optiClient. The features **EasyLookup**, **EasySee**, **EasyMail**, **EasyShare** or **EasyConference** can either be set up on particular buttons or via a menu which is accessed by pushing a special application button at the endpoint.

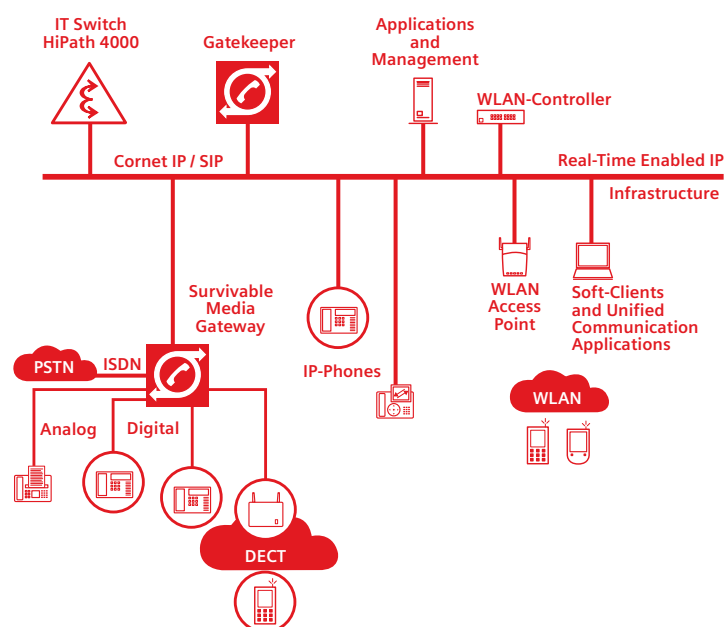
With this feature set you can easily access your colleague's user data in the Corporate Directory and set up special functions on your PC. By pushing a button you are able to send your colleague an e-mail without searching for his data in the Corporate Directory.

You are also able to display your caller's contact data at the push of a button or set up a Netmeeting Session with them. In combination with the HiPath Meet-Me Conference Server (MMCS) conferences can be also set up easily via the endpoint. The connection between HiPath 4000 and the Corporate Directory is implemented via HiPath CAP (Common Application Platform – included SW) and LDAP.

More options for your communications

HiPath 4000 provides interfaces for SIP trunking, SIP Service Providers and SIP devices therefore it reduces networking and call cost. This is part of our OpenPath strategy of a smooth migration to Open Communications.

HiPath 4000 integrated in your network



Simple administration

HiPath MetaManagement.

A comprehensive, cross-system management solution for uniform administration of networks, consisting of the entire HiPath solution: platforms, applications, devices, gateways and standards-based third-party-provider products.

Optional applications, end devices and services

HiPath applications

Whether CTI applications, cordless solutions, unified messaging or contact center – a selection of many optional applications are available for HiPath 4000.

Contact center software

A professional solution that lets you integrate customer-related processes into an innovative customer relationship management system to optimise potential. Internal decision-making processes are accelerated and the transparency of customer profiles is increased, which also optimises customer service and loyalty.

Integrated speech storage

This system makes it possible to recall and distribute speech messages in a user's own voicemail box with an individual outgoing message. Recorded calls can be retrieved at any time and from any location.

Standard interfaces

With a common application platform, interfaces that are based on open standards are provided to facilitate the integration of customer-specific solutions. CAP entry licenses are already part of ComScendo for HiPath 4000 at no charge, making it possible to integrate vertical applications for hotels, banks, insurance companies and hospitals via standardised interfaces, such as TAPI and CAP.

HiPath Meet-Me Conference Server (MMCS)

Allows all participants of a conference to dial in regardless of their location and infrastructure. All participants simply call the same number and are connected directly with each other – without having to take the trouble of having to call all participants. MMCS offers 1,000 meet-me conference rooms for up to 30 participants.

“Implementing the project led to a reduction in communications costs in the order of a six-figure euro sum.”
Christian Teickner, Global Manager,
Infrastructure Telecommunications &
Mobiles Heidelberger Druckmaschinen AG

HiPath 4000 Converged IP Solutions
Technical Overview

