



optiPoint 400 standard 3.0 IP-Based Feature Telephone with Mini Switch and Power Over LAN

The multi-protocol enabled IP telephone the optiPoint 400 standard IP telephone allows the user to conduct telephone calls over a data net in a simple and familiar way.

All telephone features of the HiPath 3000, HiPath 4000 and HiPath 5000 IP communication platforms are supported.

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Features

- optiGuide, the interactive user prompting system with dialog keys and display, offers the maximum in user friendliness.
- All HiPath 3000 / HiPath 4000 telephone features, such as callback, executive/secretary function, conference and group call are supported.
- Security; Unauthorized registration (attacks) are prevented by H.235.
- High voice quality in the LAN through use of Quality of Service (QoS)
- Dialing with the HiPath 5000 is performed quickly and correctly, directly from the address book of a PC application (e.g. via MS Outlook) by CTI (TAPI).
- The PC workstation can be directly connected to the LAN over the 10/100 Mbit/s mini switch, which is integrated in the optiPoint 400 standard.
- Power is centrally supplied over the LAN using the PowerHub
HiPath PowerHub PH 24 V1.0.
- Standard DHCP, SNMP and HTTP protocols provide for easy and convenient administration.
- Software updates and expansion of the features using FTP.
- Easy workstation relocation. The telephone registers itself to the system after being connected to the LAN. Administrative measures are not necessary.

optiPoint 400 standard provides users with all the important and familiar features of a user-friendly telephone and fits into the LAN environment just like a complete data device.

One Telephone, Three Different IP Communication Platforms

The highest level of flexibility is attained through open hardware and software architecture. Using different Siemens HiPath 3000, HiPath 4000 and HiPath 5000 IP communication platforms does not cause problems for the optiPoint 400 standard. The telephone supports all three IP communication platforms and offers the user all telephony features of the system.

Downloading new features or standards from an FTP server for security, etc. also underscores optiPoint 400 standard's flexibility.

Another advantage is the use of and compliance with international standards (H.323, H.450 and H.235). Only thus can the requirements be met for direct communication with other IP-based H.323 voice devices and systems as well as incorporation in existing data infrastructures.

This provides security of your investment for the future.

optiGuide makes intuitive user prompting possible with the provided display and dialog keys. Special digital signal processors (DSP) and special acoustic algorithms (echo cancellation) ensure high voice quality. Speakerphone mode and open listening are thus offered in high acoustic quality.

By integration of Quality of Service (QoS) protocols, optimum voice quality in the LAN is attained in both the ethernet and IP layers. optiPoint 400 standard voice packets are assigned priority bits and are thus transferred with higher preference through the LAN.

HiPath 3000 and HiPath 4000

A protocol further developed on the basis of H.323 makes support of all telephony features of the HiPath 3000 and HiPath 4000 IP communication platforms possible.

In this way, all telephony features such as executive/secretary, group call and callback remain available, as normal. Operation is the same as with optiPoint 500 telephones that are directly connected to HiPath 3000 / HiPath 4000. Special training courses for migration to IP telephones is therefore unnecessary.

HiPath 5000

Along with the IP communication platform HiPath 5000, optiPoint 400 standard version 3.0 offers a set of innovations.

optiPoint 400 standard is now compatible with the H.450 standard. The H.450 standard consequently enables implementation of such telephony features as redirect, toggle and callback.

The mobility function, available to all users (by logging in with a PIN) on every optiPoint 400 standard in the network, offers employees the highest level of flexibility. For example, if an employee logs in at a changing workstation, all of his/her personal settings, such as key allocation, sounds and display language, are downloaded to the workstation from the HiPath 5000 server.

Security

The H.235 standard has been incorporated with security in mind. Registration of the optiPoint 400 standard is now encrypted, preventing unauthorized login (attack) to the system.

Advantages at a glance

Reduced costs

- Connection charges
Long-distance calls are placed over independent IP network.
- Cabling costs
No additional cabling is necessary for optiPoint 400 standard. The PC is connected via an integrated switch.
- Infrastructure costs for the data and voice network
 - one network,
 - one investment, and
 - one team for maintenance and service.
- Life cycle costs
No configuration changes to the telephone or system because of moves or changes of location

Investment protection

- Telephone for the HiPath 3000, HiPath 4000 and HiPath 5000 IP communication platforms
- Compatibility with other H.323 IP communication platforms
- Newest feature level with software download

Easy use

- Interactive user prompting system using dialog keys and display, made possible by optiGuide
- Used the same as optiset E and optiPoint 500 telephones of the HFA variant
- Freely programmable direct dial keys
- Direct dialing from the PC via CTI (TAPI)

Flexibility

- Upgrade with software download
- Can be administered via web browser and SNMP
- Quick configuration using DHCP (plug and call)
- Simultaneous configuration of up to 200 telephones using the deployment tool
- Workstation sharing via mobility feature

Convenience

- Optimum voice quality in the LAN via Quality of Service (QoS)
- Storage of the last 20 calls that were not answered
- Spontaneous inclusion of several people in the area via high voice quality speakerphone
- Complete access to all HiPath 3000 and HiPath 4000 telephony features
- Dial directly from the PC

Security

- Encrypted login procedure on the HiPath 5000, prevention of unauthorized login to the system

Features

General Local Features

- Tilttable alphanumeric display with 2 lines, each with 24 characters, and adjustable contrast
- 12 programmable feature keys with LEDs
- 3 dialog keys for interactive user prompting system with optiGuide
- 2 control keys (plus and minus) for setting ringer pitch and ringer volume
- Handsfree talking and open listening over microphone and loudspeaker in telephone
- On-hook dialing
- Telephone number display (Calling Party Identification)
- Key click
- Separate password protection for user and administrator data
- Local time and date display
- Local tone generation and multilingual menu prompting / display texts in German, English (USA), English (UK), French, Italian, Spanish, Portuguese, Finnish, Swedish, Norwegian, Danish and Flemish
- Memory for the last 20 calls that were not answered, including caller information, date, and time
- Redial for the last 10 calls
- Call waiting with camp-on feature
- Inband and outband DTMF signaling
- Feature update by software download (via FTP)
- Telephone numbers (E-164) or IP address en-bloc dialing
- CTI on TAPI 2.1 basis
Enables dialing from, for example, OutlookRedial for the last 10 calls

H.450 Telephone Features

- H.450.2 redirect immediate and after consultation, hold, toggle
- H.450.3 call forwarding (CFU, CFB, CFNR)
- H.450.4 call transfer / consultation
- H.450.7 MWI, voice mail and callback

Telephone features on HiPath 3000 and HiPath 4000

- All telephone features of both IP communication platforms are supported.

Telephone features on HiPath 5000

- H.450.2, H.450.3, H.450.4 and H.450.7
- Mobile Users (in combination with HiPath 5000 3.0) Authorized users can use a PIN to log on to a telephone that is not their own. This telephone can then also be reached under the number of the PIN user.

Technical Specifications

Protocols

- H.323, H.450, HFA, H.225, H.245
- TCP/IP, FTP, DHCP, SNMP, SNTP
- H.235 (security)
- QoS according to DIFFSERV and IEEE 802.1 p/Q

Administrative features

- Deployment tool support.
Up to 200 optiPoint 400 standard telephones can administered together
- DHCP, SNMP support

Hardware Features / Interfaces

- 10/100 Mbit/s mini switch with 2 ports
- 2 RJ 45 TPs
- Power over LAN in accordance with the pre802.3af standard
- G.711 and G.723.1 voice compression
- Room echo cancellation

Dimensions, weight, color

- L 235mm x W 215mm x H 91mm
- 235 g
- Arctic
- Manganese (delivery starts Spring 2002)

optiPoint 400 standard 3.0 telephone order number

- H.323/ H.450 variant for HiPath 5000:
Arctic color: L28155-H5200-A110
- H.323/ HFA variant for HiPath 3000 and HiPath 4000 :
Arctic color: L28155-H5200-A120

Power supply order numbers (external plug-in power supply)

- Variant for Europe (230 V),
order number C39280Z4C114
- Variant for UK (230 V),
order number C39280Z4C371
- Variant for USA (110 V),
order number C39280Z4C372

Certification

- CE
- UL/CSA listed
- FCC Part 15 Class A

Related products

- HiPath 3000 V3.0
- HiPath 4000 V1.0
- HiPath 5000 V3.0
- optiPoint 300 advance 2.5
- optiPoint 300 basic
- HiPath AP 1100 V1.0
- HiPath RG 2500 V2.0
- optiClient 130 V2.0
- optiClient 350 V2.5
- optiClient 360 V2.0 Rev.1
- optiPoint handset V1.0

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With the one-of-a-kind Siemens convergence architecture, HiPath, guide your customers to a secure and flexible migration into the world of innovative IP convergence solutions.

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