optiPoint 420 family
Tomorrow's office flexibility, today

Workplaces are becoming increasingly mobile - even within a company's premises. Desk sharing brings new, modern and, above all, more flexible office environments. It also means new challenges for communications technology. With the new optiPoint 420 family, Siemens offers a particularly flexible solution.

The new innovative technology allows the automatic transfer of key assignments and presentation on the displays beside the function keys, making the optiPoint 420 family ideally suited to desk-sharing environments.

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Users can always see and use their own individual key assignments, regardless of which optiPoint 420 telephone they are currently using.
The key assignments can always be modified to suit individual requirements. Users can set functions and assign names to numbers at the touch of a button.

The optiPoint 420 family

Features 5 different telephone models with adapters and modules to best suit your workplace needs. Adapters and modules permit an optimum adaptation to requirements. Whether you are looking for a prestigious executive telephone, a conference room telephone or simply a wall-mounted telephone, you only need to invest in what you actually need.

The following telephone models are available:
- optiPoint 420 economy
- optiPoint 420 economy plus
- optiPoint 420 standard
- optiPoint 420 advance

All telephones in the optiPoint 420 family are equipped for VoIP telephony with standard voice codecs and QoS mechanisms. Voice quality on the telephone can provide better than toll-quality by using the G.722 (wideband) voice codec.

Power can be supplied either locally or via Power over Ethernet (PoE) in accordance with the IEEE 802.3af standard. Open hardware and software platforms enable future capabilities and features such as the SIP VoIP protocol.

The optional optiPoint self labeling key module - which matches the design of the phone - also offers the new, innovative technology enabling automatic transfer of key assignments. A shift key provides for 12 additional function keys on four separate levels. Up to two optiPoint self labeling key module can be attached to optiPoint 420 standard and advance models.

All models support Computer Telephony Integration (CTI) to improve workforce productivity.

Overview of benefits

Flexible
- Integrated IP telephone family to meet all the communication requirements of the modern workplace

- Modular through combination of adapters and add-on modules

- Uniform user interface and access to all features of the HiPath ComScendo software suite

Cost savings
- Printing and attaching of paper labels is no longer necessary

- Mobile user and desk sharing support

- Feature upgrades via software download

- Subscribers can easily relocate (Plug and Call)

- Remote administration

- optiPoint 500 adapters and add-on modules supported

Convenience
- Automatic display of personal key assignment

- Straightforward, easy to manage user interface

- Excellent voice quality with G.722 wideband codec

- Accelerated workflow with CTI and optiPoint application module applications

- Supports various administration interfaces such as SNMP, HTTP, FTP, and others

Telephones

optiPoint 420 economy

Designed for all workplaces where convenient access to the full HiPath ComScendo feature set via the intuitive optiGuide menu is desired.

This telephone is particularly suited for subscribers who must have a display showing the caller's name and number, as in office/hotel environments etc.

- Alphanumeric LCD tiltable display with 2 lines (24 characters per line)

- 12 function keys with LEDs

- 3 dialog keys for interactive user prompts

- 2 keys (plus, minus) for setting ringer volume and ringer pitch

- Open listening

- CTI

- PoE IEEE 802.3af

- Wall-mountable

optiPoint 420 economy plus

With a 10/100 base T mini-switch and integrated headset port, it is perfectly suited for open work environments as office environments and call centers.

- Alphanumeric LCD tiltable display with 2 lines (24 characters per line)
- 12 function keys with LEDs
- 3 dialog keys for interactive user prompts
- 2 keys (plus, minus) for setting ringer volume and ringer pitch
- Open listening
- 10/100 Mbit/s mini switch
- 1 headset connection (121TR9-5/Polaris)
- CTI
- PoE IEEE 802.3af
- Wall-mountable
- Security Features

optiPoint 420 standard

With full duplex hands-free speakerphone and support for modules and adapters, the optiPoint 420 standard provides the business user with all modern conveniences.

These functions are especially useful in the enterprise office environment, call centers or conference rooms.

- Backlit alphanumeric LCD tiltable display with 2 lines (24 characters per line)
- 12 function keys with LEDs
- 3 dialog keys for interactive user prompts
- 2 keys (plus, minus) for setting ringer volume and ringer pitch
- Full duplex hands-free speaker phone
- 2 adapter slot
- optiPoint application module support
- 10/100Mb mini-switch
- 1 interface for up to 2 add-on devices
- 1 headset connection (121TR9-5/Polaris)
- CTI
- PoE IEEE 802.3af
- Wall-mountable
- Security Features

optiPoint 420 advance

In conjunction with the optiPoint application module, this four line display telephone is particularly suitable for use in management offices, conference rooms and luxury hotel rooms.

- Backlit, graphic LCD tiltable display with 4 lines (24 characters per line)
- 19 function keys with LEDs
- 3 dialog keys for interactive user prompts
- 2 keys (plus, minus) for setting ringer volume and ringer pitch
- Full duplex hands-free speaker phone
- 1 adapter slot
- 1 USB master port
- optiPoint application module support
- 10/100Mb mini-switch
- 1 interface for up to 2 add-on devices
- 1 headset connection (121TR9-5/Polaris)
- CTI
- PoE IEEE 802.3af
- Wall-mountable
- Security Features

Adapters and add-on devices

The optiPoint family's innovative adapter and add-on device concept enables on-thespot adaptations to specific workplace requirements without replacing the terminal.

Conference room requirements, for example, can be met by the optiPoint acoustic adapter combined with an external microphone and loudspeakers.

Additional line/function keys are also supported on the optiPoint 420 standard and optiPoint 420 advance and can be provided either by the 16 key optiPoint key module or the 90 key optiPoint BLF.

optiPoint application module

Add-on module with color display and integrated alphanumeric keyboard for standard and advance models.

- Backlit graphic tiltable touchscreen with color display (320*240 pixels),

- 2 keyboard versions
  - QWERTZ (German)
  - QWERTY (English)

- 7 interface langauges for local applications

- Import/export of telephone directory entries to/from PC

The following applications are currently available for the optiPoint application module:

- ENB, (Electronic Note Book)
  The electronic notebook stores up to 640 entries. Address data (such as MS Outlook contacts) can be downloaded from the PC as CSV files. Menu guidance is provided for address updates.

- WAP browser
  The integrated WAP browser offers quick access to online data from the Intranet and Internet.

- Voice dialing
  Voice dialing can be enabled directly by pressing the voice dialing key (push-to-talk). Up to 20 entries with a voice recording can be saved in the ENB.

- LDAP
  Online directories or central address databases can be accessed via the LDAP interface. This reduces costs associated with maintenance of multiple company telephone directories and allows users to find and dial others with minimal effort.

- Online help
  Online help can be accessed via the WAP browser. The online help is stored at a single central location in the company network.

- JAVA Applications
  A JAVA Virtual Machine (VM) makes the use of JAVA Applications on the optiPoint application module possible.
  - Virtual Key Module
    40 freely programmable speed dial keys expands functionality of the phone without additional hardware

  The provision of a JAVA Development Kit (JDK) allows the generation of customer specific JAVA applications to improve desktop productivity.

optiPoint self labeling key modules

The optional self labeling key module also offers the new, innovative technology enabling automatic transfer of key assignments. A shift key provides for 12 additional function keys on four separate levels. Up to two optiPoint self labeling key module can be attached to optiPoint 420 standard and advance models.

- 13 function keys with LEDs

Features

	optiPoint 420 economy	optiPoint 420 economy plus	optiPoint 420 standard	optiPoint 420 advance
General				
Display	2 lines	2 lines	2 lines, backlit	4 lines, backlit
Function keys with Display and LEDs	12	12	12	18
optiGuide dialog keys	•	•	•	•
Ringer volume (plus, minus)	•	•	•	•
System-specific tones	12	12	12	12
Polyphonic ring tones			4	4
Full duplex hands-free			•	•
Wall-mountable	•	•	•	•
Dimensions in mm (HxBxT)	79x225x220	79x225x220	79x225x220	82x225x220
Weight (kg)	0.870	0.880	0.910	0.925
Protocols and codecs				
G.711 (64 k a/µ-law) G.723.1A (6.3 k), G.729 A/B (8k), G.722 (64k) [3]	•	•	•	•
CorNet IP based on H.323	•	•	•	•
SNMP, http, DHCP, DNS, FTP	•	•	•	•
VLAN ID setting	•	•	•	•
QoS (DIFFSERV and 802.1D)	•	•	•	•
CTI via CallBridge IP	•	•	•	•
Security features		•[3]	•[3]	•[3]
Interfaces				
10/100 Base-T	•	•	•	•
10/100 Base-T Mini-Switch		•	•	•
Headset port 121 TR9-5/Polaris		•	•	•
USB master port				•
Power supply				
Power supply unit	•	•	•	•
PoE IEEE 802.3af	•	•	•	•
802.3af power class	class 1	class 1	class 2	class 2
Adapters				
acoustic adapter			•	•
recorder adapter			•	•
Modules				
optiPoint self labeling key modules			•	•
optiPoint signature module [1]			•[1]	•[1]
optiPoint BLF [2]			•[2]	•[2]
optiPoint application module			•	•
Administration				
Local	•	•	•	•
Remote via http	•	•	•	•
Remote via Field Deployment Server (DLS)	•	•	•	•
Feature update via FTP	•	•	•	•
System support				
HiPath 3000 V5.0	•	•	•	•
HiPath 4000 V2.0	•	•	•	•

[1] on HiPath 4000 V2.0; HiPath 3000 V5.0;
[2] on HiPath 3000 V4.0 : SMR6 or higher, HG1500 V2 SMR28.1 or higher, HG1500 V3;
[3] on HiPath 3000 V6.0 or higher and HiPath 4000 V3.0 or higher.

Our strengths - Your advantages

Siemens is known worldwide as a trailblazer in the advancement of information and communication technologies. No other company offers such a comprehensive and innovative portfolio.

Regardless of which communication technology you are using today – or want to use tomorrow – Siemens offers you the right solution.

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