

Information

optiPoint 410 family

The new IP telephone family for real-time IP systems



Communication for the open minded

Siemens Enterprise Communications
www.siemens.com/open

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The optiPoint 410 family is a new family of IP telephones, ranging from optiPoint 410 entry for basic telephony to optiPoint 410 advance with optiPoint application module for high-volume callers with sophisticated needs.

The optiPoint 410 family provides all HiPath ComScendo features for a feature-rich telephony user experience.

The optiPoint 410 family features 5 different telephone models with adapters and modules to best suit your workplace needs. Adapters and modules permit an optimum adaptation to individual requirements. Whether you are looking for a prestigious executive telephone, a conference room telephone or simply a wall-mounted telephone, you only make an investment for what you actually need.

The following telephone models are available:

- optiPoint 410 entry
- optiPoint 410 economy
- optiPoint 410 economy plus
- optiPoint 410 standard
- optiPoint 410 advance

All telephones in the optiPoint 410 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.

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

The optiPoint application module facilitates access to LDAP directories, Web information or Java- and XML-applications. Equipped with a large backlit touchscreen for user-friendly intuitive navigation.

The optiPoint application module also features voice dialing. Simply press the voice dialing button, say the name of the person you wish to call and the telephone sets up the connection.

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

- Mobile user and desk sharing support
- Feature upgrades via software download
- Subscribers can easily relocate (Plug and Call)
- Remote administration
- optiPoint adapters and add-on modules supported

Convenience

- 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 410 entry

The optiPoint 410 entry model is a cost-effective introduction to VoIP. Particularly suited for use in corridors, entrance hallways and foyers.

- 8 function keys with LEDs
- Open listening
- 2 keys (plus, minus) for setting ringer volume and ringer pitch
- CTI
- PoE IEEE 802.3af
- Wall-mountable



optiPoint 410 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 410 economy plus

has two additional features compared with optiPoint 410 economy. It's ideally equipped for use in offices or call centers.

- 10/100Mb mini-switch
- 1 headset connection (121TR9-5/Polaris)
- Security features (e.g. speech encryption)

optiPoint 410 standard

Full duplex hands-free speakerphone with modules and adapters support provides the business user with 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 (e.g. speech encryption)

optiPoint 410 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 (e.g. speech encryption)



Adapters und add-on devices

The optiPoint family's innovative adapter and add-on device concept enables on-the-spot 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 410 standard and optiPoint 410 advance and can be provided either by the 16 key optiPoint key module or the 90 key 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 languages for local applications
- Import/export of telephone directory entries to/from PC

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

- ENB, (Electronic Notebook)
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 prompts enable the user to update the addresses.
- 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.
- WAP/WML browser
The integrated WAP/WML browser offers quick access to online data from the Intranet and Internet.
- Java Applications
A Java Virtual Machine (VM) makes the use of Java Applications on the optiPoint display module possible.
 - Virtual Key Module
40 freely programmable speed dial keys expands functionality of the phone without additional hardware

The provision of a Java Software Development Kit (SDK) allows the generation of customer specific Java applications to improve desktop productivity.

- XML Applications
The built-in XML application platform allows access to Internet-based Web services and the use of server-based XML applications within an organization. For example, HiPath Xpressions V5.0 provides an easy-to-use graphical user interface for voicemail operation.

For application developers, an XML Developer's Guide and numerous example applications are available for download in the Internet.

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

Technical details, application example:
<http://wiki.siemens-enterprise.com>;
rubric: optiPoint application module



Features

	optiPoint 410 entry	optiPoint 410 economy	optiPoint 410 economy plus	optiPoint 410 standard	optiPoint 410 advance ³⁾
General					
Display		2 lines	2 lines	2 lines backlit	4 lines backlit
Function keys with LEDs	8	12	12	12	19
optiGuide dialog keys		•	•	•	•
Ringer volume (plus, minus)	•	•	•	•	•
System-specific tones	12	12	12	12	12
Polyphone ring tones		4	4	4	4
Full duplex hands-free				•	•
Wall-mountables	•	•	•	•	•
Dimensions in mm (HxBxT)	64x160x220	69x215x220	69x215x220	69x215x220	72x215x220
Weight (kg)	0.597	0.811	0.821	0.849	0.861
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 (e.g. speech encryption with SRTP)			• ⁴⁾	• ⁴⁾	• ⁴⁾
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 0	Class 1	Class 1	Class 2	Class 2
Adapters					
acoustic adapter				•	•
recorder adapter				•	•
Modules					
optiPoint key module				•	•
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 V4.0	•	•	•	•	
HiPath 3000 V5.0/V6.0/V7.0	•	•	•	•	•
HiPath 4000 V1.0	•	•	•	•	
HiPath 4000 V2.0/V3.0/V4.0	•	•	•	•	•
¹⁾ For HiPath 4000 V1.0;					
²⁾ For HiPath 3000 V4.0 : SMR6 or higher, HG1500 V2 SMR28.1 or higher, HG1500 V3;					
³⁾ For HiPath 4000 V2.0					
⁴⁾ HiPath 3000 V6.0 or higher and HiPath 4000 V3.0 or higher					

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Reference No.: A31002-H1000-A500-10-7629

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