

# SIEMENS

**HiPath 3000 SMG / HiPath 5000 RSM**  
**HiPath 3000 / HiPath AllServe**  
**HiPath 4000**

**Hicom 150 E/H**  
**Hicom 300 E/H**

**optiPoint 600 office**

**Installation and Startup**



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# Safety Precautions

## For Your Safety

The telephone optiPoint 600 office complies with the European standard EN 60 950 which deals with the safety of information technology appliances including electronic office equipment. This device has been designed with safety in mind, thus protecting both individuals and objects.

There is always the danger of small objects being swallowed by young children. In the case of the optiPoint 600 office, this applies in particular to the connecting cord clip. Please make sure that such items are not accessible to children.

- Use only the enclosed power supply together with the special LAN cable.
- Never open the power supply enclosure.

## Protection of the Telephone

- The telephone must not be used in bathrooms, etc. as it is not splashproof.
- Before connecting or disconnecting the LAN cable or the headset cord, pull the power plug out of the plug receptacle first.

## Location of the Telephone

- The telephone should be operated in a controlled environment with an ambient temperature between 5 °C and 40 °C (41 °F and 104 °F).
- To ensure good handsfree talking quality, the area in front of the microphone (front right) should be kept clear. The optimum handsfree distance is 20 in (50 cm).
- Do not install the telephone in a room where large quantities of dust accumulate; this can considerably reduce the service life of the telephone.
- Do not expose the telephone to direct sunlight or any other source of heat, as this is liable to damage the electronic equipment and the plastic casing.
- Do not operate the telephone in damp environments such as bathrooms.

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## General Information

### About the Manual

The instructions within this manual will help you in installing and starting up the optiPoint 600 office. The instructions contain important information for safe and proper operation of the optiPoint 600 office. Follow them carefully to avoid improper operation and get the most out of your multi-function telephone in a network environment.

These instructions should be read and followed by every person installing, maintaining or programming the optiPoint 600 office.



For your own protection, please read the section dealing with safety. Follow the safety instructions carefully in order to avoid endangering yourself or other persons and to prevent damage to the unit.

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These instructions are laid out in a user-oriented manner, which means that you are led through the installation and startup of the optiPoint 600 office step by step.

For the operators, a separate manual is provided. Also administrative tasks are described in a separate manual. The Quick Reference Guide is meant to give you quick and reliable explanations regarding frequently used functions.

This guide for Installation and Startup describes how to connect the components of the optiPoint 600 office telephone and how to integrate the telephone into a LAN environment.

### Intended Use

The optiPoint 600 office telephone is a desktop unit designed for voice transmission and for connection to LAN. Any other use is regarded as not prescribed.

### Product Identification

The identification details of your telephone are given on the nameplate containing the exact product designation and serial number on the bottom of the base unit. Please have these ready whenever you call our service department because of trouble with or defects on the unit itself.

## Echo Effect

In some cases, while using the telephone you may hear an echo, which can be quite strong. This is not due to any design defect or other fault with your telephone, but caused by the other client. For example, if the echo occurs during a teleconference, it may be that the loudspeakers and microphones need to be repositioned.

## Service



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The Siemens service department can only help you with trouble or defects on the unit itself.

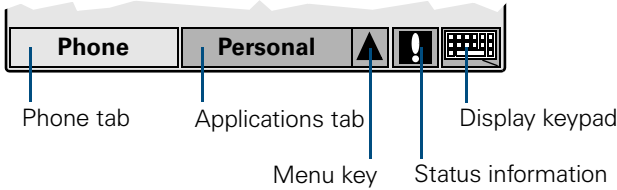
Should you have any questions regarding the operation, your specialist retailer or network administrator will gladly help you with the right answers.

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In the case of any trouble or defects on the unit itself, please dial the service number of your country.

## Display menu

A number of functions can be activated in the lower field of the display.



The **Phone tab** provides situation-dependent information on the idle or talk state of your optiPoint 600 office from the communication platform.

➡ When a local application is displayed, such as the personal telephone directory for example, the "Phone" tab flashes to signal incoming calls in addition to the ring tone.

When you pick up the handset to dial or accept an incoming call, the display indicator automatically switches to the "Phone" tab. If configured, switching is performed automatically even if there is no user intervention for a lengthy period.

The **Applications tab** contains local applications, such as:

- **Personal:** personal telephone directory
- **Corporate:** corporate telephone directory
- **Web Access:** WAP browser
- **Service:** the service menu for settings

The **Menu key** opens up the menu selection option where one of the local applications can be activated and the "Applications" tab can be quickly accessed.

If the **Status information** softkey is displayed, system messages have been received (flashing light = unread messages). Click the exclamation mark symbol to read the message(s).

Using the **Display keypad** softkey, you can enter characters via the display. Character input via the display keypad is useful if there is no external USB keyboard available.

## Notes and Symbols

### Safety

Information that is important for preventing injury or damages is marked specially, as they are important instructions for correct use of the unit.



This symbol indicates a hazard. Failure to follow the instructions given may result in injury or in damage to the unit.



Key information important for the proper use of the unit is marked with this symbol.

### Symbols in the Manual

The operating steps of actions are shown as follows:

- Lift the handset.
- Dial the required number.
- ...

Where several different options or possibilities are described, they are shown like this:

- Option A
- Option B
- ...

The symbols located on the telephone keys are used to show the individual operating steps or actions.



Enter a telephone number or code.

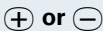


Enter alphanumeric or numeric characters (e.g. via display keypad).



Click on menu item or softkey on display using the pen provided with the optiPoint 600 office.

If the pen symbol lacks, the input can also take place without pen (e.g., with the help of the navigation keys on the telephone or the external USB keyboard).



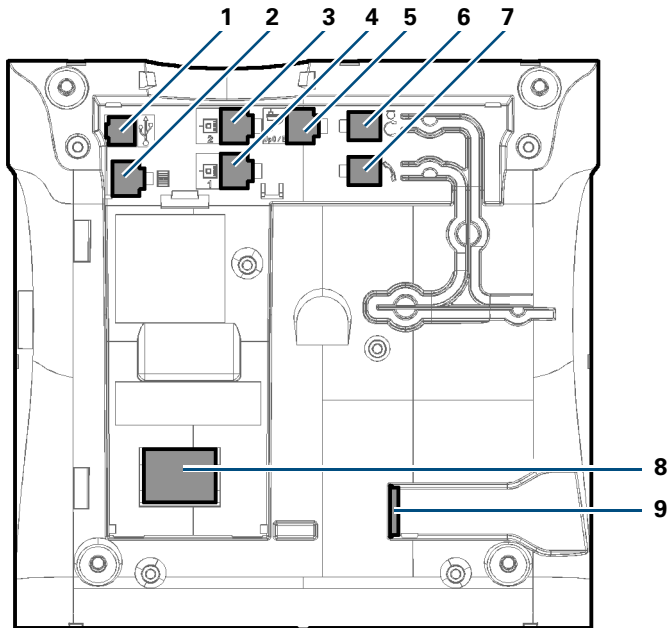
Increase or reduce the value depending on the current operating mode.

# Setting Up the Telephone

This chapter describes how to connect the individual elements of the optiPoint 600 office with each other and how to set up the unit ready for operation.

## Installing the Telephone

### Connectors on the bottom of the telephone



	Type of Connection: U <sub>P0/E</sub> (with plug-in mains unit)	Type of Connection: HFA (with plug-in mains unit)	Type of Connection: HFA (power via LAN)
<b>1</b>	USB Slave	-	-
<b>2</b>	optiPoint key module, BLF (not HiPath 4000)		
<b>3</b>	LAN connection to PC		
<b>4</b>	LAN connection to network		
<b>5</b>	Communications plat- form (looped through at plug-in mains unit)	Plug-in mains unit	-
<b>6</b>	Headset		
<b>7</b>	Handset		
<b>8</b>	Adapter		
<b>9</b>	USB Master (e.g. for external keyboard)		

### Starting up the optiPoint 600 office

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Only use **switches** in the LAN, to which the optiPoint 600 office (HFA or U<sub>PO/E</sub>) is connected. An operation at hubs can cause serious malfunctions in the hub and in the whole network.

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The Western plugs of all cable connections must audibly snap into place.

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- Plug the short end of the handset cable into the handset and the other end into the connector **7** at the bottom of the telephone and feed the cable through the guide channel in the base unit.
- Using a headset:  
Plug the jack of the headset cable into connector **6** at the bottom of the telephone and feed the cable through the guide channel in the base unit.
- For USB connection:  
Plug the offset end of the USB cable into the USB connector **1** at the bottom of the telephone.
- Using optiPoint key module/optiPoint BLF:  
Mount this device following the instructions in the installation guide (A31003-H8400-B934-\* -6ZD1).
- Using an adapter:  
Mount this device following the instructions in the installation guide (A31003-H8400-B934-\* -6ZD1).
- Using the external keyboard:  
Plug the keyboard cable into the USB connector **9** at the bottom of the telephone.
- Using a LAN connection to PC:  
Plug the jack of the connection cable into the connector **3** at the bottom of the telephone.

## Connection of a HFA phone

Only if power **not** supported by LAN:



Use only the plug-in power supply unit fitting the optiPoint 600 office:

- GER/IM: AUL:06D1284
- GBR: AUL:06D1287
- USA: AUL:51A4827

- Plug the plug-in power supply unit into the mains.
- Plug the connector **5** at the bottom of the telephone into the plug-in power supply unit.

Power supported by LAN or plug-in power supply:

- Plug the jack of the LAN cable into the connector **4** at the bottom of the telephone and connect the cable with LAN.
- Feed the cables through the relief on the back of the housing and fix them by means of the cable clip.

After establishing the LAN connection follow the instructions on  
→ page 13.

## Connection of a U<sub>P0/E</sub> Phone



Use only the plug-in power supply unit fitting the optiPoint 600 office:

- GER/IM: AUL:06D1284
- GBR: AUL:06D1287
- USA: AUL:51A4827

- Plug the plug-in power supply unit into the mains.
- Plug the one end of the U<sub>P0/E</sub> cable into the plug-in power supply unit.
- Connect the other end of the U<sub>P0/E</sub> cable with the connector **5** at the bottom of the telephone.




If connecting the optiPoint 600 office without using the plug-in power supply unit only emergency mode will be useable. Further the LEDs of the function keys as well as the external keyboard will be out of operation.


- Feed the cables through the relief on the back of the housing and fix them by means of the cable clip.

Approx. 10 sec. after establishing the U<sub>P0/E</sub> connection the initialization of the optiPoint 600 office will be displayed. After 10 sec. more the idle display will be signalling the optiPoint 600 office is ready for operation.

## Step by Step

### Preparing for Operation

 When the optiPoint 600 office is connected via U<sub>PO/E</sub> (with or without LAN connection) no further configuration is necessary.

 When the optiPoint 600 office is connected via HFA with an existing DHCP server, only the IP address of the HiPath 3000/4000 and the Call Number of the phone have to be entered. Go into the "Network settings" menu (see → page 31) and continue as described on → page 16.

A optiPoint 600 office connected over HFA in an HiPath network environment **without** DHCP server that has not yet been used must first be prepared for operation.

In order to do this,

- the DHCP function (standard setting is **on**) must be switched off (see → page 14),
- the IP address and Network Mask of the optiPoint 600 office have to be entered (see → page 14),
- the IP address of the HiPath 3000/4000 and the subscriber number of the optiPoint 600 office have to be entered (see → page 16).

After connection the following messages are displayed:

Start display.

Display during boot process.

Display during initialization.

Display after initialization.

Continue as described subsequent.

OptiPoint 600 ROM-Bootimage

...

OptiPoint 600 ROM-Bootimage

ROM boot: Decompressing ...

OptiPoint 600 office

Starting

Out of service





















Gatekeeper not found

## Step by Step

## Deactivate "DHCP server assignment"



This configuration should only be executed if there is **no** DHCP server in the HiPath communication platform!










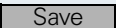
-   Click Menu key.
-   Select "Service".
-   Select "Administration".
-     Enter the "Administration password" (Factory setting: 123456). Text input see → page 6.
-   Click softkey to confirm entry.
-   Select "Configuration".
-   Select "Network settings".
-   Select "Phone IP address".
-   Click checkbox at "DHCP IP address assignment" to remove tick.

You must now assign an IP address and Network Mask to the telephone (see next section).

## Assigning IP address and Network Mask to the telephone



This configuration should only be executed if there is **no** DHCP server in the HiPath communication platform!

-     Enter Phone IP address.
-     Enter Network Mask, e.g. "255.255.255.0" with a class C network or "255.255.0.0" with a class B network.
-   Click softkey to confirm entry.

Step by Step

### Assigning Gateway address

It is recommended to enter a gateway address although this is not necessary to operate an optiPoint 600 office in a HiPath network environment **without** DHCP server.

Stay in the "Network settings" menu.

2 Select "Network access".

2 Select "Default route".

A B C Enter Gateway address.

Save Click softkey to confirm entry.

Cancel Click softkey.

### Virtual LAN settings

If you are working within a virtual LAN (VLAN), the "Layer2/3 settings" have to be changed and the "Virtual LAN Identifier" has to be specified. Otherwise you can continue as described on → page 16.

Stay in the "Network settings" menu.

3 Select "Layer 2/3 settings".

1 Select "Quality of service".

+  Activate the checkbox at "Layer 2".

Save Click softkey to confirm entry.

2 Select "Virtual LAN".

A B C Enter the number of the VLAN, e.g. "0005".



Save Click softkey to confirm entry.


Cancel Click softkey.




## Step by Step

## Entering the IP address of the HiPath 3000/4000 and the subscriber number of the optiPoint 600 office

You are in the "Network settings" menu.


-   Click softkey to return to the "Configuration" menu.
- Select "System settings".
- Select "Gatekeeper settings".
- Enter Gatekeeper address.
- Enter Subscriber number of the optiPoint 600 office.
-   Activate the checkbox at "Status message transfer activated".

-   Click softkey to enter the second input screen.
- Set the Subscriber password. Repeat the password entry in the field "Confirm Password".

-   Click softkey to confirm the entry.
-   Click softkey.
-   Click softkey.

## Restarting the system

You are in the "Administration" menu.

-   Click softkey.

The optiPoint 600 office will be restarted automatically.

After restart, the optiPoint 600 office operates in HFA mode within HiPath 3000/4000 (the display shows "LAN access mode"). It is in Basic mode then and ready.

For further information concerning configuration, see the chapter "Administration" in the Administrator Manual.



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The information provided in this document contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products.

An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.