

# Information

## OpenStage T

### The Open Unified Communications telephones

OpenStage is a totally new generation of phones which sets the benchmark for open and unified communications.

These stylish devices provide an intuitive and engaging communication experience, incorporating innovative features.

OpenStage is the prelude of a new era of high value in people-centric communication solutions.

Communication for the open minded

Siemens Enterprise Communications  
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# Overview of OpenStage

The OpenStage family is intuitive in functionality and interface, integrated through interoperability with other devices, and multimodal to allow access to various services and applications.

The OpenStage family is designed to be extremely user friendly and simplify feature implementation. Sensorial interfaces based on advanced technology solutions (touch keys, embedded color LEDs, Touch-Slider for volume control and TouchGuide navigator) as well as large, tiltable, backlit color graphical displays in TFT technology facilitate user interaction.

Soft-labeled (paperless phone) touch sensor keys can be easily programmed for specific phone functions, line/feature access or speed dial by name. An ideal solution for office applications where mobility and flexibility are important factors.

Fixed feature/function keys enable easy access to frequently needed phone functions such as Drop/Release, Call Forwarding, Speaker and dedicated applications such as Phonebook, Call Log/History, Answering Machine.

OpenStage incorporates the latest developments in leading edge acoustics to ensure delivery of the very best voice quality on the handset and speakerphone (thanks to the handset design, speaker model, and housing dimensions). A high quality speakerphone is built in as standard in all models (exception OpenStage 10 T).

Today's workstations frequently feature many different device types (such as PCs, mobile phones, PDAs, and headsets). OpenStage has built-in interfaces (such as USB and Bluetooth) to interwork with these devices.

A range of innovative adapters enables OpenStage to be aligned with specific workplace requirements (such as connection to add-ons, fax machines or phones).

OpenStage design highlights include variation of materials and colors (from molded plastic in ice blue or lava to high-end silver blue metallic lacquering and brushed aluminum).

The OpenStage TDM phone family comprises the following phone models:

- OpenStage 80 T
- OpenStage 60 T
- OpenStage 40 T
- OpenStage 20 T
- OpenStage 15 T
- OpenStage 10 T

OpenStage 10 T is an integral part of the OpenStage T Family and provides the most important telephony functions. The succeeding models have increased feature capabilities and perceived value culminating in the high-end OpenStage 80 T model targeted at top level managers and executives.

## Product family

The OpenStage TDM phones give you fast and convenient access to the wide range of HiPath features via the tried and tested U<sub>POE</sub> system interface with extended CorNet-TS protocol. New software versions can be downloaded to the phones via HiPath Management (exception OpenStage 10 T). All OpenStage phones can be software-customized with the logo of the individual customer or partner (exception OpenStage 10 T).

## OpenStage 10 T

OpenStage 10 T is the device of choice wherever only the most essential telephony functions are required. The telephone is suitable for use in reception areas and warehouses, for example.

### Keys

- Keypad
- 3 freely programmable keys with red LEDs
- Speaker key with red LED
- Control keys +/-

### Acoustics

- Open listening

### Wall-mountable

## OpenStage 15 T

OpenStage 15 T is a full-featured speakerphone with display and illuminated feature keys that could be used for up to 8 line appearances, for example.

### Display

- Graphical display, 2 lines monochrome (not tiltable)

### Keys

- Keypad
- 3 fixed function keys with red LEDs
- 8 freely programmable keys with red LEDs (upgradeable with Key Module)
- Paper labels
- Control keys +/-
- 3 navigation keys

### Acoustics

- Hands free talking (full duplex)

### Wall-mountable



OpenStage 10 T  
ice blue



OpenStage 15 T  
ice blue



OpenStage 10 T  
lava



OpenStage 15 T  
lava

## OpenStage 20 T

This full-featured speakerphone with its intuitive and interactive user interface is a universal solution for efficient and professional telephony.

### Display

- Tiltable graphical display, 2 lines monochrome

### Keys

- Keypad
- 7 fixed function keys (partly equipped with red LEDs)
- Control keys +/-
- 3-way navigator

### Acoustics

- Hands free talking (full duplex)

### Wall-mountable



OpenStage 20 T  
ice blue



OpenStage 20 T  
lava

## OpenStage 40 T

Customizable for various workplace environments OpenStage 40 T is recommended for use as an office phone, e.g. for desk sharing, people working in teams or call center staff.

### Display

- Tiltable graphical display, 6 lines monochrome, backlit
- Optical call alert

### Keys

- Keypad
- 8 fixed function keys (partly equipped with red LEDs)
- 6 freely programmable touch keys (illuminated) with red LEDs (function, speed dial or line keys)
- Control keys +/-
- 5-way navigator

### Acoustics

- Hands free talking (full duplex)

### Interfaces

- Headset jack
- USB slave
- OpenStage Key Module / BLF

### Wall-mountable



OpenStage 40 T  
ice blue



OpenStage 40 T  
lava

## OpenStage 60 T and 80 T

### OpenStage 60 T

Offers top-notch functionality and innovations, combining a maximum of usability with a clear, intuitive and sleek design. It's functionality and personalization options make this phone the first choice for boss-/secretary environments and people interacting with other devices, like mobile phones or PDAs.

### OpenStage 80 T

OpenStage 80 T has the same functional scope as OpenStage 60 T. Premium colors, materials and components turn this device into an extraordinary user experience. Interfaces for easy synchronization with other devices, like PDA and mobile phone are specially designed with the needs of the top level manager and executive in mind.



OpenStage 60 T  
ice blue



OpenStage 60 T  
lava



OpenStage 80 T

### Display

- Tilttable graphical color TFT display, 320 x 240 pixel (QVGA), backlit
- Optical call alert

### Keys

- Keypad
- 6 fixed function keys (partly equipped with blue LEDs)
- 8 freely programmable touch keys (illuminated) with blue LEDs (function, speed dial or line keys)
- 6 mode keys (touch keys, illuminated) with blue or blue/white LEDs (e.g. to start applications)
- TouchSlider for volume adjustment with blue/white LEDs
- TouchGuide for navigation

### Acoustics

- Hands free talking (full duplex)
- High quality ringer tones

### Interfaces

- Headset jack
- Bluetooth V2.0
- USB master & slave
- OpenStage Key Module
- External power supply necessary

## OpenStage Manager

Free OpenStage Manager software for communication between PC and phone (via USB) will be available with the release of OpenStage 80 T and 60 T. It will allow users to carry out the following functions:

- Administer OpenStage Phone Book
  - Synchronize contacts
  - Edit Phone Book
  - Add pictures
- Load screen saver pictures

## Personalization

OpenStage 80 T, 60 T provide users with various options for customizing the phone to their individual requirements:

- Load (mp3) ring tones from the PC and assign to contacts
- Load pictures from the PC and assign to contacts
- Change the phone appearance using different skins (2 skins will be provided)
- Create a personal screen saver

## Accessories

For the respective OpenStage models a comprehensive range of accessories will be released separately. Here is a complete list of accessories:

### OpenStage Key Module 15

- 18 additional freely programmable keys with LEDs; function, speed dial or line keys
- Paper labels
- In ice blue or lava
- For OpenStage 15 T/40 T (only 1 unit can be connected)



### OpenStage Key Module 40, 60, 80

- 12 additional freely programmable keys with LEDs; function, speed dial or line keys (multiple layers)
- Large graphical display for key labeling
- In ice blue, lava or silver blue metallic
- For OpenStage 40 T, 60 T, 80 T (up to 2 units can be connected)



### OpenStage BLF 40 (Busy Lamp Field 40)

- 90 additional freely programmable keys with LEDs; function-, speed dial- or line keys
- Paper labels
- Not released for HiPath 4000
- In ice blue or lava
- External power supply necessary
- For OpenStage 40 T (only 1 unit can be connected)



### OpenStage Phone Adapter

- Connection of:
  - a second OpenStage / optiPoint phone with U<sub>POE</sub> or
  - an analog device (phone or fax)
- For OpenStage 10 T, 15 T, 20 T, 40 T, 60 T, 80 T



### Wall mount kit

- In ice blue or lava
- For OpenStage 10 T, 15 T, 20 T, 40 T

## HiPath Support

OpenStage TDM phones can be used with HiPath 3000 and HiPath 4000.

## Public Telephone Network Access/acoustics/speech quality

- FCC Part 68/CS-03 (Technical Requirements for Connection of Terminal Equipment to the Telephone Network)
- TIA/EIA-810A (Transmission Requirements for Narrowband VoIP and Voice over PCM Digital Wireline Telephones)
- TBR8 (Telephony 3.1 kHz teleservices; Attachment requirements for handset terminals)
- Hearing aid capability (HAC) according TIA/EIA-504A (Electronic industries association recommended standard RS-504 magnetic field intensity criteria for telephone compatibility with hearing aids)

## Technical Data

	OpenStage 10 T	OpenStage 15 T	OpenStage 20 T	OpenStage 40 T	OpenStage 60 T	OpenStage 80 T
<b>Display</b>						
Tiltable display (pixels, type)	–	205 x 41 pixels 2 lines, monochrome not tiltable	205 x 41 pixels 2 lines, mono- chrome	240 x 128 pixels 6 lines, monochrome	320 x 240 pixel (QVGA) color TFT	
Backlit	–	–	–	Yes	Yes	Yes
<b>Keys/LEDs</b>						
Fixed function keys (pushbuttons, partly illuminated)	1 1 red LED	3 3 red LEDs	7 5 red LEDs	8 6 red LEDs	6 5 blue LEDs	
Freely programmable touch keys (illuminated)	3 pushbuttons with red LEDs	8 pushbuttons with red LEDs	–	6 keys with red LEDs	8 keys with blue LEDs	
Mode keys (touch keys, illuminated)	–	–	–	–	6 with blue or blue/white LEDs	
Optical call alert	–	–	–	red	blue	blue
Volume adjustment	+/- keys				TouchSlider blue/white LED	
Navigation	–	3 navigation keys	3-way navigator	5-way navigator	TouchGuide	
<b>Audio</b>						
Open listening	Yes	Yes	Yes	Yes	Yes	Yes
Full duplex hands-free	–	Yes	Yes	Yes	Yes	Yes
Polyphonic ring tones	–	–	–	–	Yes	Yes
Echo canceling for local echo (AEC)/full duplex	–	Yes	Yes	Yes	Yes	Yes
<b>Interfaces</b>						
Bluetooth V2.0 • Object Push Profile: Send and receive business cards/vCards • Headset Profile: Connection of a cordless Bluetooth headset	–	–	–	–	Yes	Yes
Headset jack for corded/cordless headsets (RJ45, 121TR9-5*)	–	–	–	Yes	Yes	Yes
USB Master	–	–	–	–	Yes	Yes
USB Slave (1 <sup>st</sup> Party CTI)	–	–	–	Yes	Yes	Yes
Interface for add-ons (ext. power supply necessary with 40 T, 60 T and 80 T)	–	Yes max. 1	–	Yes max. 2	Yes max. 2	Yes max. 2
Line interface (CorNet-TS protocol, software download via U <sub>POE</sub> )	U <sub>POE</sub> (no software download)	U <sub>POE</sub>	U <sub>POE</sub>	U <sub>POE</sub>	U <sub>POE</sub>	U <sub>POE</sub>
<b>Expansions</b>						
OpenStage Key Module (ext. power supply necessary with 40 T, 60 T and 80 T)	–	Yes max. 1	–	Yes max. 2	Yes max. 2	Yes max. 2
OpenStage Busy Lamp Field (only on HiPath 3000, ext. power supply necessary)	–	–	–	Yes	–	–
OpenStage Phone Adapter (via U <sub>POE</sub> )	Yes	Yes	Yes	Yes	Yes	Yes
External power supply unit (EU, US or UK)	Yes	Yes	Yes	Yes	Yes (necessary in all cases)	
Wall mount kit	Yes	Yes	Yes	Yes	–	–
<b>Applications</b>						
Local personal phone book • Up to 1,000 personal entries with numbers • Combine Contacts into Groups • Add a picture to contacts	–	–	–	–	Yes	Yes

	OpenStage 10 T	OpenStage 15 T	OpenStage 20 T	OpenStage 40 T	OpenStage 60 T	OpenStage 80 T
Local call list • List of missed, forwarded, dialed and received calls • Dial from the call list	–	–	–	–	Yes	Yes
Save and restore personal data using a PC or USB memory stick	–	–	–	–	Yes	Yes
OpenStage Manager support	–	–	–	–	Yes	Yes
Certifications						
	CE marking: EMC EN 55022 class B, EN 55024, EN 61000-4-11, EN 61000-3-2 Product safety EN 60950-1  USA / Canada: EMC (FCC) Part 15 (CFR 47) class B Product safety UL 60950-1 / CSA 22.2 No. 60950-1-03					
Technical data						
Dimensions (height x breadth x depth [mm])	70 x 210 x 220	70 x 240 x 220	70 x 240 x 220	70 x 270 x 220	70 x 300 x 220	70 x 300 x 220
Weight (kg)	0.63	0.777	0.864	1.120	1.235	1.428
Colors	ice blue or lava	ice blue or lava	ice blue or lava	ice blue or lava	ice blue or lava	Silver blue
Storage conditions	-40 °C to +70 °C (ETSI EN300 019-2-2)					
Operating conditions	+5 °C to +40 °C					

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