OpenStage HFA/SIP
The Open Unified Communications telephones.

OpenStage is a 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 to a new era of high quality and user-oriented communications solutions that, through their design concept, sustainably protect the environment and are distinguished by high energy efficiency.
Cutting-edge

IP phone models

The OpenStage IP (HFA/SIP) phone family comprises the following models:

- OpenStage 5 (SIP only) (ice blue or lava)
- OpenStage 15 (ice blue or lava)
- OpenStage 20 E (ice blue or lava)
- OpenStage 20 (ice blue or lava)
- OpenStage 40 (ice blue or lava)
- OpenStage 60 (ice blue or lava)
- OpenStage 80 (silver-blue metallic)

Innovative features

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, TouchSlider 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.

OpenStage SIP/HFA phones offer Best-In-Class High Definition Voice – AudioPresence™ HD.

AudioPresence™ HD ensures that all OpenStage SIP/HFA phone users can get an immersive audio experience for voice calls and audio conferences. AudioPresence™ HD is provided across the entire portfolio, starting with the entry-level phone OpenStage 5 SIP to the executive’s OpenStage 80 phone.

AudioPresence™ HD leverages the standards-based G.722 high-definition audio codec, best-in-class speaker, microphone and acoustic components, as well as advanced noise rejection and echo cancellation in all OpenStage SIP/HFA phones.

Each OpenStage IP phone provides an integrated Ethernet switch (exception: OpenStage 5 SIP). The network is accessed by 10/100 Base-T or as a variant via Gigabit Ethernet (exceptions: OpenStage 5 SIP, OpenStage 15, and OpenStage 20 E).

All phones support 802.3af Power over LAN.

SIP and HFA phone variants

Each model of OpenStage IP phones is available as a phone variant with the open standards for SIP voice communication or with the proprietary protocol of Siemens Enterprise Communications (CorNet-IP, also known as HFA = HiPath Feature Access).

In addition to the standard-based SIP (RFC 3261) VoIP protocol, OpenStage SIP phones support even more features such as consultation, local 3-way conference, multisites and team features that allow a high degree of flexibility in your IT strategy.

The OpenStage HFA (CorNet-IP) variants provide a favorable access to the wide range of features of the HiPath platforms 3000/5000 and 4000 as well as the OpenScape Office LX/MX together with an innovative user interface.

Administration

OpenStage telephones are easy to deploy and ongoing administration is simple. The telephones can be centrally managed as part of an IT environment.

Siemens Enterprise Communications is the first company to fulfill the high standards of THE BLUE ANGEL in protecting the environment and the climate with its VoIP telephones. That is achieved by high energy efficiency, efficient use of materials as well as an environmentally friendly recycling concept.

Further information can be found here:
http://www.siemens-enterprise.com/de/about/green-enterprise.aspx
Product family

OpenStage 5 (SIP only)

OpenStage 5 SIP is a cost-effective introduction to IP telephony providing a basic set of business features, enterprise security, as well as simple installation and operation. It fits both as an unified communications audio front-end in combination with third-party CTI, and as a basic phone for floors, halls, lobbies, receptions, or hospitals.

Keys
- Keypad
- 8 freely programmable keys with red LEDs
- Paper labels
- Control keys +/-

Acoustics
- Open listening
- AudioPresence™ HD

Wall-mountable

OpenStage 15

OpenStage 15 is a universal solution for efficient and professional telephony. Each succeeding model has increased feature capabilities and perceived value culminating in the high-end OpenStage 80 model targeted at top level managers and executives.

OpenStage 15 is a full-featured speakerphone with display and eight function keys with LEDs that could be used for line keys when operated as a multi-line telephone, 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)
- AudioPresence™ HD

Wall-mountable

OpenStage 20, 20 E

OpenStage 20 is a well equipped speakerphone. With its intuitive and interactive user interface, it 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, OpenStage 20 only)
- Open listening (OpenStage 20, 20 E)
- AudioPresence™ HD

Wall-mountable
**OpenStage 40**
Customizable for various workplace environments, OpenStage 40 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)
- AudioPresence™ HD

**Interfaces**
- Headset jack

**Wall-mountable**

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**OpenStage 60**
Offers top-notch functionality and innovations, combining a maximum of usability with a clear, intuitive and sleek design. An open application platform and personalization options make this phone the first choice for boss-secretary environments and people interacting with lots of other devices.

**Display**
- Tiltable 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/sensor 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)
- Polyphonic ring tones
- AudioPresence™ HD

**Interfaces**
- Headset jack
- Bluetooth
- USB Master

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**OpenStage 80**
Premium features, materials and components turn this device into an extraordinary user experience. The best in class LCD display and an open platform for productivity enhancing applications unlock the full business potential of the phone. Open 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.

**Display**
- Tiltable graphical color TFT display, 640 x 480 pixel (VGA), backlit
- Optical call alert

**Keys**
- Keypad
- 6 fixed function keys (partly equipped with blue LEDs)
- 9 freely programmable touch keys (illuminated) with blue LEDs (function, speed dial or line keys)
- 6 mode keys (touch/sensor 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)
- Polyphonic ring tones
- AudioPresence™ HD

**Interfaces**
- Headset jack
- Bluetooth
- USB Master
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 15/40 (up to 1 unit can be connected)

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

OpenStage Busy Lamp Field 40
- 90 additional freely programmable keys with LEDs; function, speed dial or line keys
- Paper labels
- In ice blue or lava
- For OpenStage 40 (only 1 unit can be connected)

Wall mount kit
- For OpenStage 20, 20 E, and 40 in ice blue or lava
- For OpenStage 5 SIP in lava

OpenStage Manager
For administration of OpenStage 80 and 60, the OpenStage Manager offers the following functions:
- Administer OpenStage Phone Book
- Synchronize contacts
- Edit Phone Book
- Add pictures
- Manage polyphonic ring tones
- Load screen saver pictures
- Configure OpenStage phone
- Backup/restore user data

OpenStage applications
OpenStage is an extremely powerful platform for efficient business applications. The following applications are available with OpenStage 60, 80:
- Telephony
  - Context-sensitive menus
  - Simple use of complex phone features
- Personal phone book
  - Enter up to 1,000 personal contacts with different telephone numbers
  - Combine contacts into groups
  - Add a picture to favorite contacts
- Call log/history
  - See the list of missed, forwarded, dialed and received calls
  - Dial from the call log list
- Directory access (LDAP client)
  - Query corporate directories using LDAP
  - Quick search and advanced search with various search criteria
- Graphical voicemail control
  - Message waiting indication via LED and icon on idle screen
  - Intuitive user interface with tape recorder look & feel
  - Support with HiPath Xpressions V5.0, V6.0
- Bluetooth V2.0
  - Object Push profile: Send and receive business cards/vCards
  - Headset profile: Connect a Bluetooth headset
- Application platform for customer specific workflow integration
  - OpenStage 60/80 allows the customer to integrate own XML applications using the phone as an universal input/output device

HiPath support
OpenStage SIP phones are supported by OpenScape Voice and Asterisk.
OpenStage CorNet-IP telephones can be operated on HiPath 3000/5000, HiPath 4000 and OpenScape Office LX/MX.

Access to the PSTN – acoustic/voice 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

<table>
<thead>
<tr>
<th></th>
<th>OpenStage 5</th>
<th>OpenStage 15</th>
<th>OpenStage 20</th>
<th>OpenStage 40</th>
<th>OpenStage 60</th>
<th>OpenStage 80</th>
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<tbody>
<tr>
<td><strong>Display</strong></td>
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<tr>
<td>Tiltable display</td>
<td>–</td>
<td>–</td>
<td>2 lines, 205 x 41 pixels (not tiltable, fixed viewing angle of 30°)</td>
<td>2 lines, 205 x 41 pixels</td>
<td>6 lines, 240 x 128 pixels</td>
<td>320 x 240 pixels (QVGA) color TFT 5.7&quot;</td>
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<td>–</td>
<td>–</td>
<td>6 with blue or blue/white LEDs</td>
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<td>Optical call alert</td>
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<td>red blue</td>
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<td>+/- key</td>
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<td>3-way navigator</td>
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<td>–</td>
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<td>–</td>
<td>–</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>USB Master</td>
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<td>–</td>
<td>–</td>
<td>–</td>
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<td>Yes</td>
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<td>–</td>
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<td>10/100 Base-T</td>
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<td>10/100 Base-T or Gigabit Ethernet (optional variant)</td>
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<td>EN55024, EN61000-4-11</td>
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<td>EN61000-3-2, Safety EN60950-1</td>
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## Audio

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<th>OpenStage 5</th>
<th>OpenStage 15</th>
<th>OpenStage 20</th>
<th>OpenStage 40</th>
<th>OpenStage 60</th>
<th>OpenStage 80</th>
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<tbody>
<tr>
<td>G.711 (64 kbit/s a/µ law)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>G.722 (64 kbit/s)</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Open listening</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Full duplex hands-free</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Yes</td>
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<td>Echo canceling for local echo (AEC) full duplex</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Layer 2 authentication (802.1x)</td>
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<td>IEEE802.1Q</td>
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<td>Yes</td>
<td>Yes</td>
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<td>QoS (DIFFSERV and IEEE802.1p)</td>
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<th>OpenStage 80</th>
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<tbody>
<tr>
<td>External power supply unit (EU, US or UK)</td>
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<td>Yes</td>
<td>Yes</td>
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<td>Power over LAN: IEEE 802.3af</td>
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<td>Consumption data after annual load cycle according to RAL-UZ 150</td>
<td>21.9 kWh</td>
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<tbody>
<tr>
<td>Dimensions (height x width x depth [mm])</td>
<td>64 x 160 x 220</td>
<td>70 x 240 x 221</td>
<td>70 x 240 x 220</td>
<td>70 x 270 x 220</td>
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<td>Weight (kg)</td>
<td>0.606</td>
<td>0.783</td>
<td>0.834</td>
<td>1.068</td>
<td>1.245</td>
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<td>ice blue or lava</td>
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<td>Storage conditions</td>
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<td>Operating conditions</td>
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