Information

OpenStage HFA/SIP
The Open Unified Communication Devices

OpenStage is a totally new generation of phones which sets the benchmark for Open 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

Overview

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.

There are soft labeled programmable touch sensor keys for line/feature access or speed dial by name, fixed feature/function push keys (such as Drop/Release, Redial, Call Forwarding, Mute, Speaker) and dedicated touch sensor application/function keys (such as Telephony Call View, Phonebook, Call Log/History, Message Waiting, Applications).

OpenStage incorporates the latest developments in leading edge acoustics to ensure delivery of the very best voice quality (G.722 wideband codec support for handset, speaker, and headset communications). A high quality speakerphone is built in as standard in all models (exception OpenStage 20E).

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 IP phone family comprises five distinct phone models:

- OpenStage 80 (silver-blue metallic)
- OpenStage 60 (ice blue or lava)
- OpenStage 40 (ice blue or lava)
- OpenStage 20 (ice blue or lava)
- OpenStage 20E (ice blue or lava)

Each model is available as phone variant with the emerging open standards for SIP voice communication or with the Siemens' proprietary protocol (CorNet IP, also known as HFA = HiPath Feature Access).

Apart from the standard based SIP (RFC 3261) VoIP protocol, the OpenStage SIP phones support additional features such as consultation, local 3-way conference, multiline, etc. This means flexibility is retained within your IT strategy and lock-in to a specific vendor is avoided.

The OpenStage CorNet IP variants provide access to the feature reach HiPath platforms 2000, 3000, 4000 and 5000 with the benefit of an intuitive user interface.

Each OpenStage IP phone provides an integrated Ethernet switch. The network access is transferred by 10/100 Base-T or as a variant via Gigabit Ethernet (exception OpenStage 20E).

All phones support 802.3af Power over LAN.

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

OpenStage 20 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.

Features

OpenStage 20, 20E

This full-featured speakerphone with it's 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 only by OpenStage 20 (full duplex)
- Open listening by OpenStage 20, 20E

Wall-mountable

OpenStage 20
ice blue

OpenStage 20
lava

OpenStage 20E
ice blue

OpenStage 20E
lava

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)

Interfaces
- Headset jack

Wall-mountable

OpenStage 60 and 80

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.

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
- OpenStage 60: Tiltable graphical color TFT display, 320 x 240 pixel (QVGA), backlit
- OpenStage 80: 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)
- 8 (OpenStage 60) and 9 (OpenStage 80) 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
- USB Master

OpenStage 40
ice blue

OpenStage 40
lava

OpenStage 60
ice blue

OpenStage 60
lava

OpenStage 80

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 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
- For HiPath 2000, HiPath 3000, HiPath OpenOffice EE, HiPath OpenOffice ME (only OpenStage 40 HFA) only
- In ice blue or lava
- For OpenStage 40 (up to 1 unit can be connected)

Wall mount kit

- In ice blue or lava
- For OpenStage 20, 20E, 40

OpenStage Manager

For administration of OpenStage 80 and 60 the OpenStage Manager can be used:

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

OpenStage Applications

OpenStage is an extremely powerful platform for efficient business applications.

The following applications are available with OpenStage 60, 80:

- Graphical Call Handling
  - 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 (in a future version)
  - 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 (in a future version)
  - Message Waiting Indication via LED and icon on idle screen
  - Intuitive user interface with tape recorder look & feel
  - Support of Xpressions V5.0
- Bluetooth V2.0
  - Object Push Profile: Send and receive business cards / vCards
  - Headset Profile: Connect a Bluetooth headset (in a future version)
- Application Platform for customer specific workflow integration (in a future version)
  - 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 HiPath 8000 starting with version 2.2.

OpenStage CorNet IP phones are supported by HiPath 2000 starting with V2, HiPath 3000 starting with V7, HiPath 4000 starting with V4, HiPath 5000 starting with V7, HiPath OpenOffice EE and HiPath OpenOffice ME.

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 20, 20E	OpenStage 40	OpenStage 60	OpenStage 80
Display				
Tiltable display (pixels, type)	205 x 41 pixel 2 lines, monochrome	240 x 128 pixel 6 lines, monochrome	320 x 240 pixel (QVGA) color TFT	640 x 480 pixel (VGA) color TFT
Backlit	–	Yes	Yes	Yes
Keys/LEDs				
Fixed function keys (pushbuttons, partly illuminated)	7 5 red LEDs	8 6 red LEDs	6 5 blue LEDs	6 5 blue LEDs
Freely programmable touch keys (illuminated)	–	6 red LEDs	8 blue LEDs	9 blue LEDs
Mode keys (touch keys, illuminated)	–	–	6 with blue or blue/white LEDs	6 with blue or blue/white LEDs
Optical call alert	–	red	blue	blue
Volume adjustment	+/- key	+/- key	TouchSlider blue/white LED	TouchSlider blue/white LED
Navigation element	3-way	5-way	TouchGuide	TouchGuide
Interfaces				
Bluetooth V2.0 (vCard support)	–	–	Yes	Yes
Headset jack for corded/cordless headsets	–	Yes	Yes	Yes
USB Master	–	–	Yes	Yes
OpenStage Key Module	–	Yes (max. 2)	Yes (max. 2)	Yes (max. 2)
OpenStage Busy Lamp Field (HiPath 2000, HiPath 3000, HiPath OpenOffice EE, HiPath OpenOffice ME only)	–	Yes (max. 1)	–	–
Integrated Ethernet switch	10/100 Base-T or Gigabit Ethernet * (optional variant)	10/100 Base-T or Gigabit Ethernet (optional variant)	10/100 Base-T or Gigabit Ethernet (optional variant)	10/100 Base-T or Gigabit Ethernet (optional variant)
Certifications				
	CE Mark, EMC EN55022 Class B, EN55024, EN61000-4-11, EN61000-3-2,Safety EN60950-1, North America EMC (FCC) Part 15 (CFR 47) Class B, Safety UL60950-1/CSA 22.2 No950			
Audio				
G.711 (64 kbps a/μ law) G.722 (64 kbps) G.729AB (8 kbps)	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes
Open listening	Yes	Yes	Yes	Yes
Full duplex hands-free	Yes *	Yes	Yes	Yes
Echo canceling for local echo (AEC) full duplex	Yes *	Yes	Yes	Yes
Applications				
see Page 4	–	–	Yes	Yes
Security features				
Layer 2 authentication (802.1x) (future version)	Yes	Yes	Yes	Yes
Network				
IEEE802.1Q	Yes	Yes	Yes	Yes
QoS (DIFFSERV and IEEE802.1p)	Yes	Yes	Yes	Yes
Power supply				
External power supply unit (EU, US or UK)	Yes	Yes	Yes	Yes
Power over LAN: IEEE 802.3af	Yes	Yes	Yes	Yes
PoL class	Class 1	Class 2	Class 3	Class 3

* does not apply to OpenStage 20E

	OpenStage 20, 20E	OpenStage 40	OpenStage 60	OpenStage 80
Technical data				
Dimensions (height x breadth x length [mm])	70 x 240 x 220	70 x 270 x 220	70 x 300 x 220	70 x 300 x 220
Weight (kg)	0.834	1.068	1.245	1.435
Colors	ice blue or lava	ice blue or lava	ice blue or lava	silver blue metallic
Storage conditions	-40 °C to +70 °C (ETSI EN300 019-2-2)			
Operating conditions	+5 °C to +40 °C			

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Siemens Enterprise Communications
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