



OpenStage HFA/SIP

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.

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 (ice blue or lava)
- OpenStage 40 (ice blue or lava)
- OpenStage 60 (ice blue or lava)

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.

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

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).

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 and OpenStage 20 SIP/HFA).

All phones support 802.3af Power over LAN.



The **OpenStage 15 SIP**, **OpenStage 20 SIP** and **OpenStage 40 SIP** telephones have been certified with the German BLUE ANGEL label (valid from software version V2R2).

THE BLUE ANGEL is the first and oldest environment-related label for products and services.

The proprietor of this environmental label is the German Federal Ministry for the Environment, Nature Protection and Reactor Safety.

Unify 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.unify.com/de/about/green-enterprise.aspx>

http://www.blauer-engel.de/en/products_brands/search_products/produkttyp.php?id=559

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 Unify (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, multilines 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 OpenStage Office 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.

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. The phone offers a basic set of business features, enterprise security, as well as simple installation and operation. It fits both as a unified communications audio front-end in combination with third-party CTI, and as a basic phone for floors, halls, lobbies, receptions, or hospitals.

Keys

- Dialing keypad
- 8 freely programmable keys with red LEDs
- Key labeling with paper strips
- Control keys +/-

Acoustics

- Loudspeaker
- AudioPresence™ HD

Wall-mountable



OpenStage 5
ice blue



OpenStage 5
lava

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 60 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

- Graphic display, 2-line monochrome (non swivel)

Keys

- Dialing keypad
- 3 fixed function keys with red LEDs
- 8 freely programmable keys with red LEDs (upgradable with Key Module)
- Key labeling with paper strips
- Control keys +/-
- 3 keys for navigation

Acoustics

- Hands-free (fully duplex)
- AudioPresence™ HD

Wall-mountable



OpenStage 15
ice blue



OpenStage 15
lava

Experience ...
AudioPresence™



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 60 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.

OpenStage 20

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

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

Acoustics

- Hands-free (fully duplex)
- Loudspeaker
- AudioPresence™ HD

Wall-mountable



OpenStage 20
ice blue



OpenStage 20
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

- Dialing 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 (fully duplex)
- AudioPresence™ HD

Interfaces

- Headset jack

Wall-mountable



OpenStage 40
ice blue



OpenStage 40
lava

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

- Dialing 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 (fully duplex)
- Polyphonic ring tones
- AudioPresence™ HD

Interfaces

- Headset jack
- Bluetooth
- USB Master



OpenStage 60
ice blue



OpenStage 60
lava

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
- Key labeling with paper strips
- In ice blue or lava
- For OpenStage 15/40 (up to 1 unit can be connected)



OpenStage Key Module 40, 60

- 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 (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
- Key labeling with paper strips
- In ice blue or lava
- For OpenStage 40 (only 1 unit can be connected)

Wall mount kit

- For OpenStage 20 and 40 in ice blue or lava
- For OpenStage 5 SIP in lava

OpenStage Manager

For administration of OpenStage 60, the OpenStage Manager offers the following functions:

- Administer the OpenStage Phone Book:
Synchronize contacts,
Edit the 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:

- 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,
Add a picture to contacts
- Call log/history
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 voice mail control
Message waiting indication via LED and icon on idle screen,
Intuitive user interface with CD player 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 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.

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 tele-services - 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 5	OpenStage 15	OpenStage 20	OpenStage 40	OpenStage 60
Display					
Tilttable display (pixels, type)	-	2 lines, 205 x 41 pixels (not tilttable, fixed viewing angle of 30°)	2 lines, 205 x 41 pixels	6 lines, 240 x 128 pixels	320 x 240 pixels (QVGA) color TFT 5,7"
Background lighting for display	-	-	-	Yes	Yes
Keys/LEDs					
Fixed function keys (pushbuttons, partly illuminated)	-	3 3 red LEDs	7 5 red LEDs	8 6 red LEDs	6 5 blue LEDs
Freely programmable touch sensor keys (illuminated)	8 keys with red LEDs	8 keys with red LEDs	-	6 keys with red LEDs	8 keys with blue LEDs
Mode keys (touch sensor keys, illuminated)	-	-	-	-	6 with blue or blue/white LEDs
Optical call alert	-	-	-	red	blue
Volume adjustment	+/- keys	+/- keys	+/- keys	+/- keys	TouchSlider blue/white LEDs
Navigation element	-	3 navigation keys	3-way navigator	5-way navigator	TouchGuide
Interfaces					
Bluetooth V2.0 (vCard support and headset profile)	-	-	-	-	Yes
Headset jack for corded/cordless headsets	-	-	-	Yes	Yes
USB Master	-	-	-	-	Yes
OpenStage key modules	-	Yes (max. 1)	-	Yes (max. 2)	Yes (max. 2)
OpenStage Busy Lamp Field	-	-	-	Yes (max. 1)	-
Integrated Ethernet switch	- (10/100 Base-T Ethernet connection only)	10/100 Base-T or Gigabit Ethernet (optional variant)	10/100 Base-T	10/100 Base-T or Gigabit Ethernet (optional variant)	10/100 Base-T or Gigabit Ethernet (optional variant)
Certifications					
	CE Mark, European Certifications: EMC EN55022 Class B, EN55024, EN61000-4-11, EN61000-3-2, Safety EN60950-1 UL Mark, Safety US/CAN: UL60950-1; North American EMC: FCC Part 15 (CFR 47) Class B				
Audio					
G.711 (64 kbit/s a/μ law)	Yes	Yes	Yes	Yes	Yes
G.722 (64 kbit/s)	Yes	Yes	Yes	Yes	Yes
G.729AB (8 kbit/s)	Yes	Yes	Yes	Yes	Yes
Loudspeaker	Yes	Yes	Yes	Yes	Yes
Full duplex hands-free	-	Yes	Yes	Yes	Yes
Echo canceling for local echo (AEC) full duplex	-	Yes	Yes	Yes	Yes

	OpenStage 5	OpenStage 15	OpenStage 20	OpenStage 40	OpenStage 60
Applications					
See section "OpenStage Applications"	-	-	-	-	Yes
Security features					
Layer 2 authentication (802.1x)	Yes	Yes	Yes	Yes	Yes
Network					
IEEE802.1Q	Yes	Yes	Yes	Yes	Yes
QoS (DIFFSERV and IEEE802.1p)	Yes	Yes	Yes	Yes	Yes
Power supply					
External power supply unit (EU, US, or UK)	Yes	Yes	Yes	Yes	Yes
Power over LAN: IEEE 802.3af	Yes	Yes	Yes	Yes	Yes
PoE class	Class 0	Class 1	Class 1	Class 2	Class 3
Consumption data after annual load cycle according to RAL-UZ 150	21.9 kWh	23.7 kWh	22.0 kWh	25.2 kWh	35.6 kWh
Technical data					
Dimensions (height x width x depth [mm])	64 x 160 x 220	70 x 240 x 221	70 x 240 x 220	70 x 270 x 220	70 x 300 x 220
Weight (kg)	0,606	0,783	0,834	1,068	1,245
Colors	ice blue or lava	ice blue or lava	ice blue or lava	ice blue or lava	ice blue or lava
Storage conditions	-40 °C to +70 °C (-40 °F to 158 °F)				
Operating conditions	+5 °C to +40 °C (41 °F to 104 °F)				

