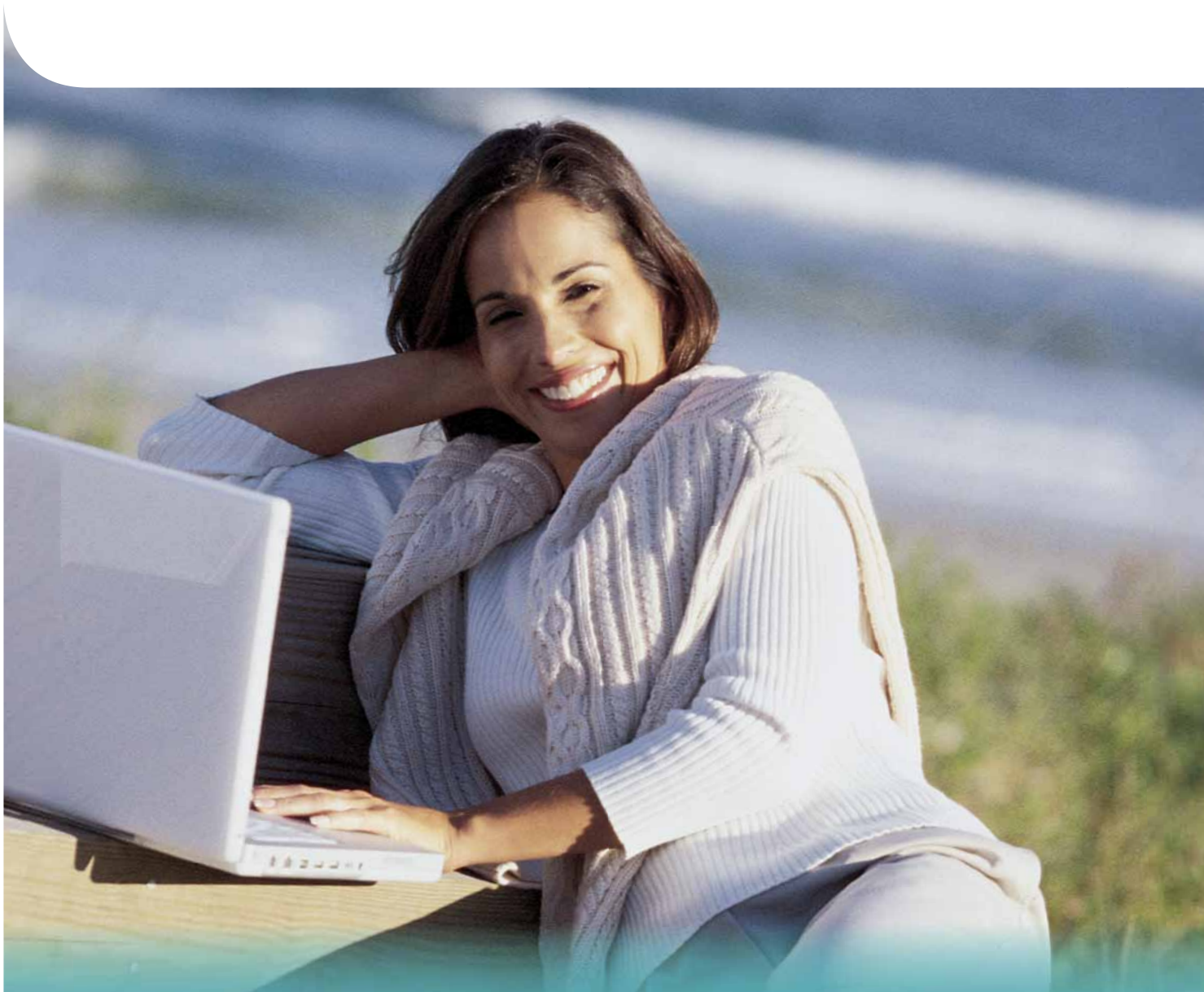


# Open, flexible, professional

Aastra 800 – The hardware-independent call manager



## Aastra connects you with the world

**Aastra is a global supplier of telecommunication solutions for companies, regardless of size and area of business. The basis for our success are quality, intrinsic value and innovations, a comprehensive product portfolio and years of experience.**

*Aastra 800 is sought after by small and medium-sized businesses due to its adaptability and flexibility.*

Our focus is on non-restrictive, open-architecture solutions. This is because

we are convinced that open standards enhance the compatibility of different items and functions, improving flexibility and lead to more comprehensive solutions.

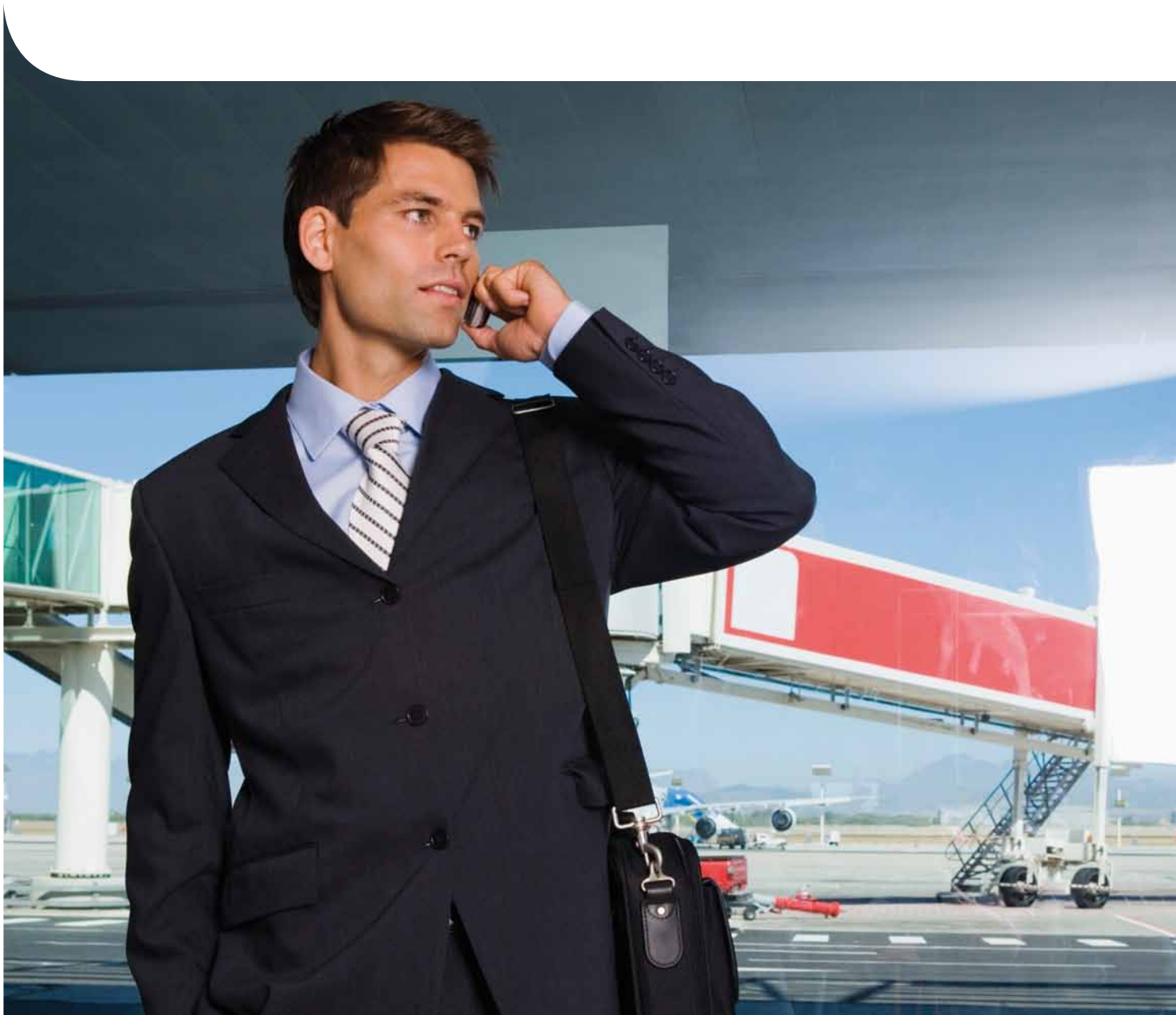
Our aim is to offer communication solutions that support our customers in their day-to-day communication and enable them to organise their processes more effectively. With the Aastra 800 product line, we offer small and medium-sized businesses a communication tool which is outstanding as a result of its adaptability and versatility.

Very important note: Aastra solutions are synonymous with investment sustainability and adapt to your company's growing daily needs.

### **Hardware-independent, open, with a guaranteed future**

Aastra 800 brings the whole world of business telephony to your PC. With just a few mouse clicks, you can change a standard Windows PC to a professional telecommunications system. Compared to traditional telephones, Aastra 800 meets all your needs in terms of flexibility and functionality.

The strengths of the Aastra 800 come into their own wherever there is IP-based networking. With Voice over IP you can also use your existing network for telephony – it is simple, flexible and even works across different offices or sites. Open interfaces considerably facilitate the integration of Aastra 800 into your infrastructure.



## Aastra skills

### Convergence and Voice over IP (VoIP)

The main strong points of convergence solutions and the use of VoIP systems are that they reduce costs, increase productivity and flexibility, and offer many possibilities to improve customer service. All calls made via the company's own network incur no additional costs; with care & maintenance costs of the communications infrastructure also being reduced. A combination of IT and communication systems inside a company enhances daily business activities and enables everyone to benefit from the advantages of IP technology.

### Mobility

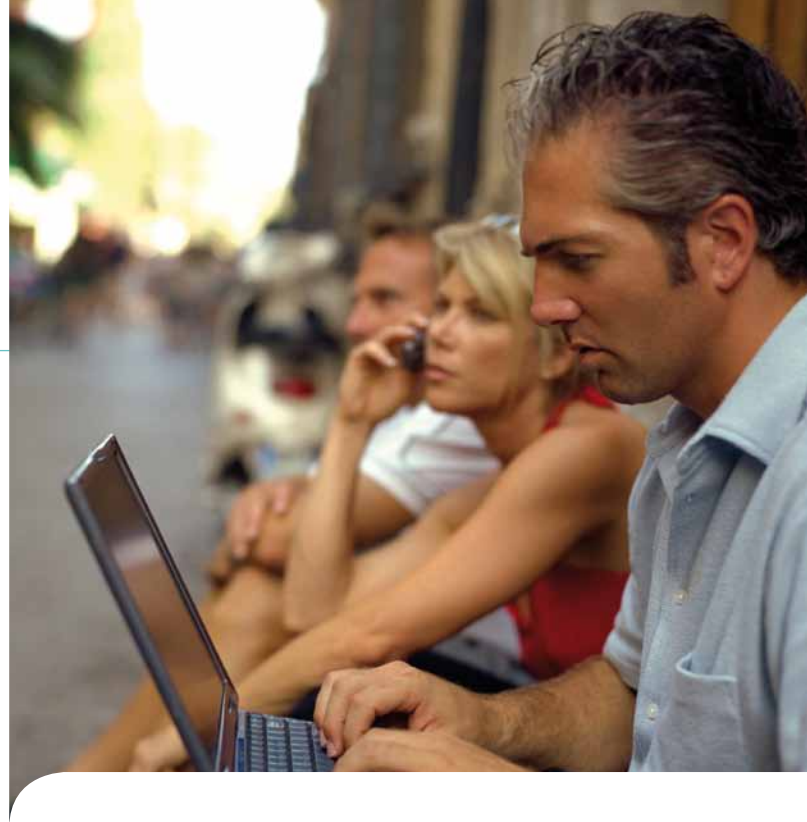
Aastra solutions reinforce mobility and improve team work. DECToverIP, WiFi solutions, networked applications and, above all, the integration of mobile phones ensure that people are contactable at any time and via the medium of their choice – both inside and outside the company. With Aastra 800 mobility means, on the one hand, properly integrating a travelling employee or an employee on outside work into the company's communication network. On the other hand, it enables employees to freely move about within the company premises, for instance with DECT phones.

Furthermore, the system solution contains special packages for home office employees, which allow them to be seamlessly integrated into the company network. With Mobile Extension, in connection with Aastra Mobile Client, Aastra 800 also offers a simple and intuitive solution for GSM integration (FMC – Fixed Mobile Convergence). Employees are integrated into the network via their GSM mobile phones and act like an internal subscriber. Calls can be switched from mobile to fixed telephones, and vice versa, without the mobile phone number being displayed.

Mobility solutions are an important component of Aastra's Unified & Collaborative Communications portfolio.

### Unified & Collaborative Communications

Aastra's Unified Communications solutions integrate various IP-based communication solutions and applications, like e-mail, voicemail, video, as a solution package. The unified work environment can be used with mobile and PC-based terminals, or with a Contact centre application. In addition, practical functions like presence management can be integrated. This ensures, for example, that employees are contactable and that calls are automatically forwarded through various communication channels.



Aastra 800 offers integrated solutions for instant messaging between system phones, busy indicators, Softphones, voice-to-mail and interfaces, for connecting various third-party applications.

### Open standards

Aastra has consistently focused the development of its products on open standards such as SIP (Session Initiation Protocol). The experiences and know-how gained from decades of language and data-oriented development also come in handy here.

Open standards ensure the interoperability of systems, phones and applications and allow you to integrate the Aastra 800 seamlessly and with minimum effort in your communication infrastructure. Aastra 800 features all the important standard application interfaces such as TAPI and CSTA (BER & XML).

For CSTA, the manufacturers of software solutions have access to a developer kit comprising a program library, source code and a sample application, which allows the Aastra 800 and all applications to be easily controlled. The Aastra 800's CSTA interface even allows customer-specific applications – such as hotel, call shop, CRM or monitoring applications – to be connected directly to system phones. For example, your cordless Aastra system phone can become a portable control device for monitoring or remotely controlling your applications and systems.

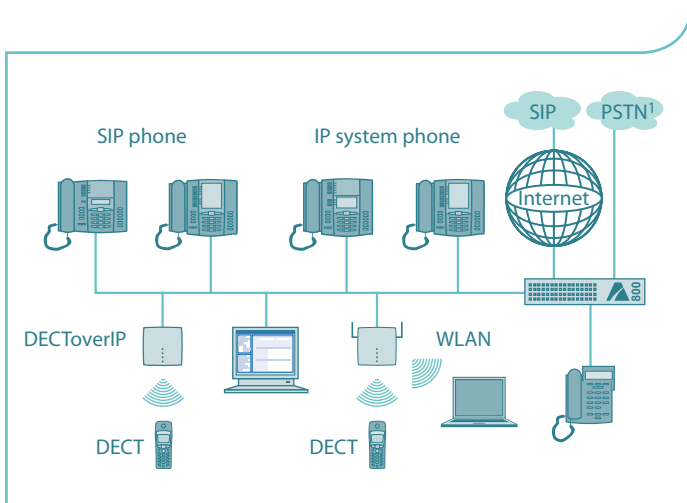
*Aastra communication solutions assist employees in their daily work, regardless of their location.*

# Complete VoIP – professional telephony on your PC

With Aastra 800, an innovative hardware-independent call manager from Aastra, you can quickly and easily set up a powerful and professional communication system – without manufacturer-specific hardware but with much freedom.

IT administrators will appreciate the optimised installation of Aastra 800. Just download, install and configure the software – you can start using Aastra 800 straight away with a functional range that covers virtually all the requirements of a call manager. Configuration takes place conveniently via an intuitive central administration interface, directly in the web browser, just like in standard PC networks: create a user, issue authorisations, set up access to the communication network, and you're ready. Rights management is flexibly controlled by means of user groups.

Another strong point is the reliable manufacturer support for resellers: Aastra sales partners and customers receive immediate support whenever needed.



## Your communication system grows with your requirements

In the basic version, Aastra 800 supports one SIP trunk and three IP system phones from the Aastra 6770ip range, three SIP phones from the Aastra 6700i range, and three SIP phones from any manufacturer. It is possible to set up a DECT radio network with DECT over IP base stations. This setup quickly gives you an initial impression of what is possible and a chance to see the impressive performance of the software for yourself.

You can flexibly scale and adapt the communication server to additional requirements whenever you need to, simply by activating extra licenses. The software also includes numerous integrated intelligent applications, e.g. for CTI, corporate groups and hotels, which can be activated in the configuration menu for trial purposes for 60 days (read more on p. 16).

### The standards-based software PBX solution for up to 200 subscribers supports:

- ✦ Network accesses: SIP, SIP-DDI, ISDN<sup>2</sup> and analogue<sup>2</sup>
- ✦ Telephone types: IP system phones (Aastra 6770ip), SIP phones (Aastra 6700i and others) and also analogue<sup>2</sup> and ISDN phones<sup>2</sup>
- ✦ wide range of system phone features
- ✦ multi-cell DECT radio networks with DECT over IP
- ✦ IP site networking with QSIG protocol
- ✦ flexible connection to external applications to map your business processes

*Aastra 800 fully controls Sangoma Gateways (PCI/PCle cards). All settings are made via the Aastra 800 central administration interface.*

(1) Public Switched Telephone Network  
(2) with PC cards or external gateways

## Connection licenses for individual needs

**Every company has different communication system requirements. To meet the scalability need, a licensing model is necessary for activation the external lines (SIP, S0, S2M) and phones that are actually used. If further IP lines or IP subscribers are needed, this is possible through additional activation keys.**

Available licenses for:

### External lines

All these licenses are additional. The number of lines that are available increases with each activation of additional licenses.

#### ✦ Aastra 800 CAPI

A S0 connection can be used from each CAPI-based ISDN card installed on the PC, and a license is required for this.

#### ✦ Aastra 800 BRI

There is optimum integration in Aastra 800 when a PCI/PCIe card from Sangoma is used to connect to the ISDN. A license is required for each S0 interface (systems or multi-point interface).

#### ✦ Aastra 800 PRI

Both the license and Sangoma PCI/PCIe card, must be installed on the PC when a primary rate access (S2M) is used.

#### ✦ OpenLine SIP 2

The OpenLine SIP 2 license activates two IP phone connections (SIP-Trunks) via SIP.

### Internal subscriber

All these licenses are additional. The number of phones being used at the same time increases each time a new license is activated.

#### ✦ OpenAccess 677xip

To use Aastra 6770ip IP phones (see pages 8/9) a corresponding number of licenses is required. Available for 1, 10, 20, and 50 phones.

#### ✦ OpenAccess 675xi

This license is required for the Aastra SIP phones – Aastra 6700i (see pages 10/11). Available for 1, 10, 20, and 50 phones.

#### ✦ OpenAccess SIP 101

License to use SIP phones from third-

party manufacturers on Aastra 800 this particular license is required. It allows other SIP phones to be configured.

#### ✦ OpenSoftphone 100

In order to use Aastra 2770ip, an appropriate number of OpenSoftPhone 100 and OpenAccess 677xip licenses must be activated. OpenSoftPhone 100 licenses are available in increments of 2, 4, 8 and 16 and can be combined up to a maximum of 200 licenses.

#### ✦ Aastra 800 FXS

If Aastra 800 has to support an analogue terminal, a license is required for each connection, and a PCI/PCIe card from Sangoma must be installed.

### Additional connection licenses

#### ✦ Aastra 800 G.729

A high data compression is essential to use the available data line bandwidth for a large number of connections. Unlike codec G.711, G.729 only requires a quarter of the bandwidth. A license is required for each voice channel.

#### ✦ OpenLine Q.SIG-IP 1

QSIG over IP allows communications systems at remote sites to be networked over IP routes. A license is required for each end (networking between several Aastra 800 systems or with OpenCom 100 and 1000).

#### ✦ OpenAccess Mobile Client

License for integrating a mobile phone into Aastra 800. For more information about Fixed Mobile Convergence (FMC) see page 15.



### Aastra 800 Starter Kit

Three system phones – Aastra 6770ip, Aastra SIP phones and Aastra 6700i – and SIP phones from other manufacturers can be used respec-

tively with Aastra 800 Starter Kit. If the delivery allows the use of four SIP trunks and licenses for OpenCTI 50 and OpenVoice 210 L.

## Enhanced performance, lower costs, secure investments

With Voice over IP (VoIP) you can use your existing data network to transmit voice data.

Combining your IT and telecommunications infrastructures can make your business more streamlined and efficient. This can enable cost savings on equipment and maintenance and free up your staff to focus on the really important things. VoIP also allows you to network different sites easily and cost-effectively.

### IP phones

Aastra 800 allows you the use of a wide range of VoIP phones. You can choose between IP system phones (Aastra 6770ip range), SIP phones (Aastra 6700i range), and SIP phones from other manufacturers. For anyone wishing to use the system telephony while away, i.e. on a notebook; the Aastra 2770ip softphone solution is ideal.

### QSIG over IP

Networking two or more sites using QSIG over IP enables a shared telephone number plan, and direct dialling to another site using extension numbers without area codes. Phone calls between the sites are free of charge, since internal calls are automatically routed via IP. Depending on your requirements, network sites can also be equipped with their own network accesses. Expanded features are also transferred.

### Radio network with DECT over IP

DECT over IP fully integrates the tried-and-tested cordless DECT telephony into an IP infrastructure in order to create mobility solutions with full system functionality. The DECT over IP base stations are connected directly to the LAN in exactly the same way as VoIP terminals. Aastra DECT phones are the ideal cordless phones for optimum use of all system functions.



Aastra 6739i



### The benefits:

#### 1. Reduce your costs!

Phone calls are purely internal calls because the data connection between the sites are used for voice transmission. The integration of voice mailboxes, your switchboard and network management will result in a sustained reduction of your running costs. In addition, costs for your infrastructure are saved on hardware and maintenance.

#### 2. Boost productivity!

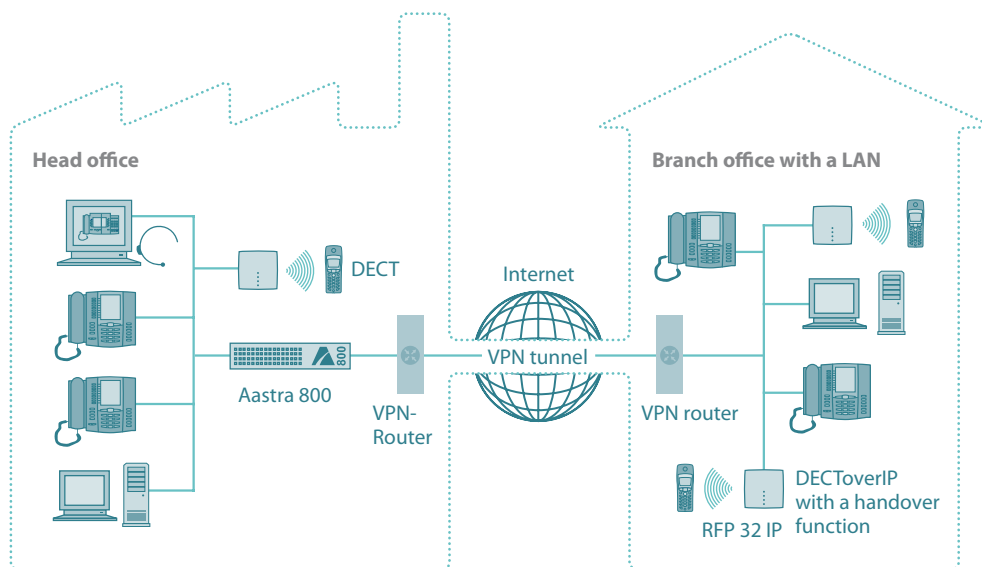
Thanks to the connection of their home offices and the networking of your branch offices, your external

staff can also access the company network. With VoIP they can connect to the communications network and be integrated into the company data network.

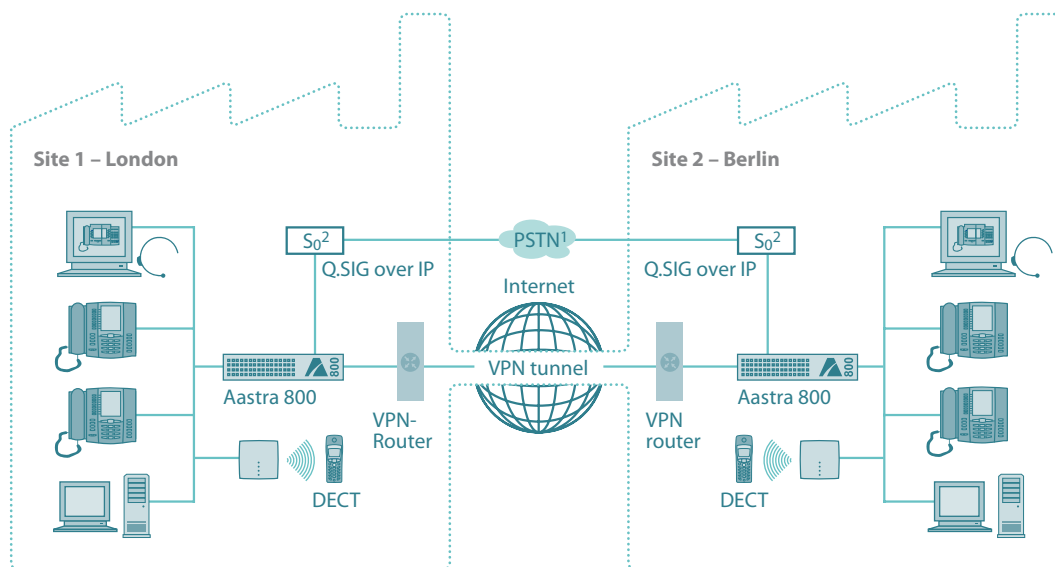
#### 3. Face the future with confidence!

VoIP is a future-proof investment. Easily expand your infrastructure whenever you need to and set up fully functioning offices wherever there is a broadband network connection; quickly and cost-effectively.

## DECT over IP in branch office, home office



## Complete system – QSIG over IP network



- (1) Public Switched Telephone Network
- (2) Appropriate gateway required

## *IP system phones – telephony with that little bit extra*

**Extensive system functions, ease of operation and context-sensitive help – the IP phones of the Aastra 6770ip range represent versatility, performance and ergonomics. The system phones support all Aastra 800 features and can be optimally incorporated in the ITK system.**



*Aastra 6773ip*



*Aastra 6775ip  
with display illumination switched on*



*Aastra 6773ip with Aastra M671*



*Aastra 6775ip with Aastra M676*



Aastra 2770ip

### Aastra 6773ip

To give the user clear information, the comfort-oriented Aastra 6773ip features a four-line display. A line key, two softkeys (labelled in the display) and five individually configurable function keys help you get to grips with even the most difficult communications tasks.

Aastra 6773ip can be flexibly expanded with up to three Aastra M671 expansion keypad modules.

### Aastra 6775ip

The premium Aastra 6775ip phone is also ideal for complex communication tasks. The illuminated 11-line display and nine softkeys enable the user to keep track of an entire team at a glance. Allow convenient administration of the internal phonebook, call lists and switching function. The number of function keys can be flexibly increased by adding up to three expansion keypad modules, either Aastra M671 or Aastra M676.

### Aastra M671

The convenient expansion keypad module Aastra M671 equips the Aastra 6773ip and Aastra 6775ip IP system phones with 36 additional softkeys (function and destination keys), e.g. for line keys, direct dialling or engaged message. The function status of each key is indicated by an LED. Up to three Aastra M671 extensions with 36 keys each can be connected without the need for an additional power supply.



## Professional communications made easy

The function keys are configured intuitively with menu guidance, either using the Aastra 800 or on the phone itself. Once set up, user interfaces can be transferred to another system phone at the touch of a button using hot desking – complete with individually assigned function keys, call lists, phonebook and unique phone number and voice box. This means that several field employees can share a single workstation with one telephone at the head office. The

phones have a DHSG interface for wireless headsets and a fixed headset button. Each phone also has an integrated switch for direct connection to the PC and can be powered via the network (Power over Ethernet), minimising wiring requirements and cutting down costs. The Aastra 800's CSTA interface allows customer-specific applications to be connected to the system phones using XML programming and to show interactive menus on the display.

### Aastra M676

The premium expansion keypad module Aastra M676 creates an additional 20 softkeys (function and destination keys) to Aastra 6775ip, each of which can be assigned functions in three levels. The keys are easily labelled using the illuminated display. Each key also has its own status LED. Up to three Aastra M676 extensions can be connected without the need for an additional power supply.

### Aastra 2770ip

Aastra 2770ip softphone transforms your Windows PC or notebook into a fully functional system phone.

The solution brings all the familiar phone functions to the user's computer screen.

After logging into the company network, the user can access the user interface for their personal phone, including all individually programmed features, from any PC on the network. This is known as hot desking. The softphone also offers an integrated answering machine and call recording option.

### OpenSoftPhone 100

In order to use Aastra 2770ip, an appropriate number of OpenSoftPhone 100 licenses must be activated. OpenSoftPhone 100 licenses are available in increments of 2, 4, 8 and 16 and can be combined up to a maximum of 200 licenses.

## SIP phones – equipped for the future



Aastra 6730i, Aastra 6731i



Aastra 6753i



Aastra 6755i



Aastra 6757i

### Aastra 6730i

Aastra 6730i is a powerful VoIP SIP phone for use in an environment with a local power supply. As part of the Aastra 6700i range of business, VoIP SIP phones, it has a broad performance spectrum that meets the requirements of modern communication in a business environment. Indeed, its performance data sets it apart from all its rivals in this price segment. Ideal for simple telephone applications in small businesses or home offices.

### Aastra 6731i

In addition to the Aastra 6730i, the Aastra 6731i has an integrated switch. It can be powered either via Power over Ethernet (IEEE 802.3af) or with a separate plug-in power supply unit. The entire Aastra 6700i range can be wall-mounted. With the ability of restricting premium/international, etc call numbers; these phones are ideal to place in public areas for use. The handset is designed in such a way that users of hearing aids can also use the phone optimally. Nine abbreviated dialling destinations can also be stored under the digit keys of the numeric keypad.

### Aastra 6753i

Aastra 6753i broadens the range of functions of Aastra 6731i to include a headset socket. This means that the Aastra 6753i can also be used in any situation where users need to have their hands free, e.g. in call centres. The terminal can be easily extended if necessary with extra function keys by combining it with the Aastra M670i expansion keypad module.

### Aastra 6755i

Aastra 6755i features a large, graphics-enabled LC display with backlighting and six dynamic, context-sensitive softkeys. As with Aastra 6753i, there are another six programmable keys that can be labelled with paper strips. If required, the number of function keys is easily augmented with up to three Aastra M670i or M675i expansion keypad modules.

*The Aastra 6700i range supports Aastra 800 system functions, and is centrally configured via the web browser.*

### Aastra 6757i

Aastra 6757i boasts the largest display in the Aastra 6750i range of terminals, which is of course backlit and graphics-compatible. The terminal features six dynamic, context-sensitive keys and six individually configurable function keys, all of which can be labelled using the display. Like the Aastra 6755i it can be expanded with numerous additional destination, function or XML keys using the Aastra M670i or M675i expansion keypad modules.

### Aastra 6739i

The colour touch screen of the Aastra 6739i makes the menus very easy to use. In addition to caller name, a stored picture (picture ID) can also be displayed. With the Bluetooth headset interface, employees can move about freely at the work place. The possibility to connect Aastra M670i and Aastra M675i expansion keypad modules gives additional overviews, i.e. within the framework of the busy indicator.



When it comes to open standards, the universally deployable SIP phones from the Aastra 6700i range offer everything required for modern professional communication.

With XML support, Aastra SIP phones offer almost unlimited potential for individualisation with minimal effort and seamless integration of your own applications and services. Aastra 6700i phones can control external devices and displays, or retrieve and display measurement values. Aastra 6700i phones are easy to configure using a web browser via the central administration interface of the Aastra 800. All the settings are stored, which means they are instantly available whenever a user chooses to change handset. Aastra 675xi, Aastra 6731i and Aastra 6739i have an integrated switch for direct connection to the workstation PC and can be powered via the network using Power-over-Ethernet.



Aastra M670i

Aastra M675i

### Aastra M670i

The convenient Aastra M670i expansion keypad module equips the Aastra 6753i, Aastra 6755i, Aastra 6757i and Aastra 6739i SIP phones with 36 additional function or destination keys. Each key has an LED for status indication. Up to three Aastra M670i with 36 keys each can be connected without additional power supply.

### Aastra M675i

The Aastra M675i expansion keypad module expands the Aastra 6755i, Aastra 6757i and Aastra 6739i SIP phones with an additional 20 softkeys (function and destination keys), each of which can be assigned with functions at three levels. The keys are easily labelled using the illuminated display, with each key also having its own status LED. Up to three Aastra M675i extensions can be connected without the need for an additional power supply.

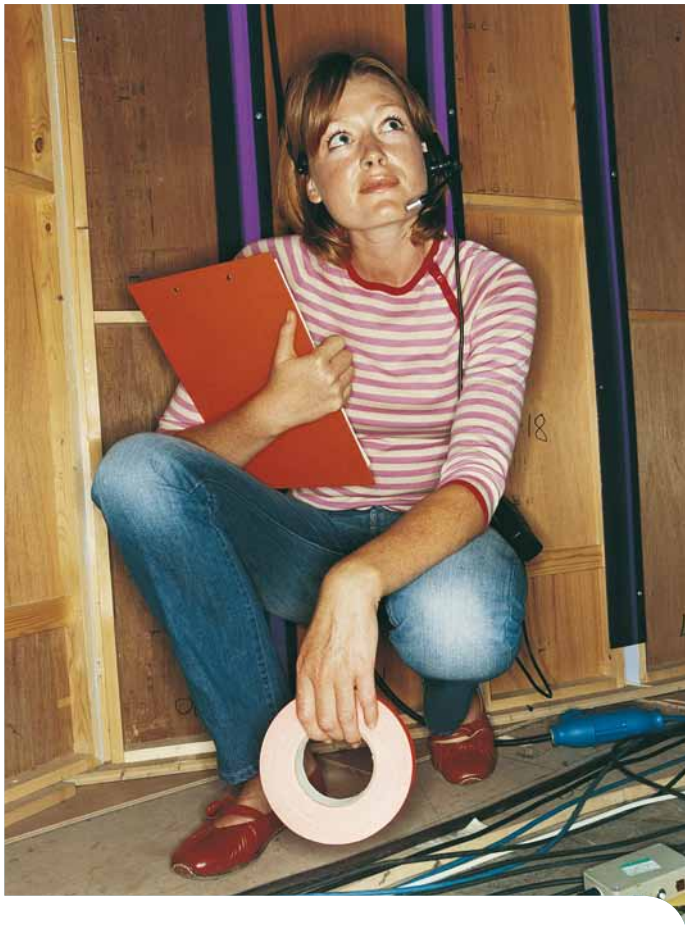


Aastra 6739i

## Cordless phones – uncompromisingly mobile

**Do you need a mobility solution for your business? With the Aastra 800 and DECT over IP it's easy to set up a multi-cell DECT radio network.**

**Installation is based on IP base stations which are simply connected to the LAN. The DECT radio network is therefore available wherever there is a connection to your network – even in a warehouse on the other side of the city or in a home office.**



### Aastra 142d

The Aastra 142d offers a vibration alarm, headset socket, hands-free mode and keypad lighting. The amber-coloured illuminated display makes for simple intuitive operation using the system menus and browsing through the phone book. The integrated memory card stores the device identification for the system. The local phone book and all the user's personal settings, (such as the phone book with up to 100 entries) are easily transferred to the new phone whenever the user changes phones. This also means that a replacement device can be used immediately without having to re-register.

With the handset fully integrated into the company network, the user is notified of any incoming e-mails and company short text messages.

The size of the radio network is limited only by the number of available base stations. The Aastra 800 manages up to 256 base stations, covering even the large offices or entire company premises. Calls are handed over from one DECT cell to the next – thanks to the handover feature, they are never interrupted, fully enjoying the convenience of cordless communication.

In conjunction with the Aastra 800, the DECT phones Aastra 142d and Aastra 600d become fully functional system phones with access to various system features, e.g. text message display, alarm functions and connection to external applications via CSTA.



Aastra 142d

### Aastra 610d

Like all models of the Aastra 600d range, the Aastra 610d adapts to your individual usage and communication needs.

Including a headset socket, user-definable keys and 44 polyphonic and 8 non-polyphonic ring tones. Its local phone book can manage up to 200 contacts each with 7 entries.

The illuminated monochrome 2" display guarantees an optimum overview and simple operation of the menus. The Aastra 610d can withstand the impact of dropping onto a concrete floor from a height of 1.50 m.\*



## The Aastra 600d range

Enjoy all the possibilities of the Aastra 600d range.

✦ The ambient noise filter can automatically adjust the ring tone volume to the background noise in any given situation. During a call in noisy environments the talk volume is increased, and the distracting ambient noise filtered out.

✦ Five different application profiles allow the phones to be adapted to any given work situation, e.g. using a headset or on conference mode.

✦ User-friendly, wireless function and firmware updates via the cellular network (Download over Air).

✦ Intelligent battery management guarantees an overview of the battery capacity at all times, e.g. after the battery is replaced.



Aastra 610d



Aastra 620d



Aastra 630d

### Aastra 620d

The user-friendly Aastra 620d is the high-end mobile phone for the professional. Its large TFT colour display provides clear graphic displays and perfect legibility. Many freely programmable keys support the simple navigation and use of different lines. In addition to the functions of the Aastra 610d, its Bluetooth interface for a cordless headset also enables maximum freedom of movement. The high-quality lithium-ion battery can be charged via the USB interface, independently of the charging bay. An optional power battery is available for operating times of up to 200 hours in standby mode.

### Aastra 630d

The indestructible Aastra 630d is ideally suited for use in tough working environments. It complies with industry standard IP65 with its high level of dust protection and resistance to jet or hose water. Very easy to clean and complies with high hygiene requirements. The Aastra 630d is capable of withstanding fall heights of up to 2 metres onto concrete\*, offering all the user convenience of the Aastra 620d. The integrated sensor alarm and additional emergency call key makes the 630d the ideal companion not just for security-related professions, but also for hospitals and care facilities.

\* In accordance with DIN EN 60068-2-32

## DECT over IP base stations



RFP 32 IP



RFP 34 IP



RFP 42 WLAN

**The DECT over IP base stations are the fundamental building blocks for expanding your own DECT radio network. Each of these stations provides a separate cell with a range of up to 300m within the DECT radio network. The synchronisation of the base stations by sync-over-air ensures smooth handover, even for calls that take place on the site or when switching between base stations.**

*DECT XQ offers optimum voice quality in reflecting environments with vast metal surfaces, such as high rise stores, and facilitates the setting up of a radio network. DECT XQ can be activated separately for each base station.*

### RFP 32 IP – the indoor base station

RFP 32 IP allows full integration of DECT radio networks into the IP infrastructure and can be used to make 8 calls simultaneously. Power can be supplied by a separate adapter or by LAN (Power over Ethernet).

### RFP 34 IP – the outdoor base station

The RFP 34 IP has all the features of the RFP 32 IP and is also optimised for outdoor use (complies with IP65). Radio coverage of the area can be designed according to individual requirements through the selection of antennas (dipole or directional). To provide coverage for long corridors, for example, directional antennas are ideal. Power is supplied directly from the network.

### RFP 42 WLAN – the WLAN base station\*

The RFP 42 WLAN intelligently combines two mobile communication standards: it uses DECT to connect mobile system phones, while the built-in WLAN access point gives mobile PCs and other workstations flexible access to the company network. A hotspot with several WLAN access points can be set up with central management via the Aastra 800 administration interface with the web browser.

Using different profiles, up to 4 radio networks with different IDs (SSIDs) and different security standards can be disseminated via the same WLAN access points so that guests, staff, cash systems and installation control systems can use the same infrastructure components at the same time.

\*RFP 42 WLAN not available in all countries.



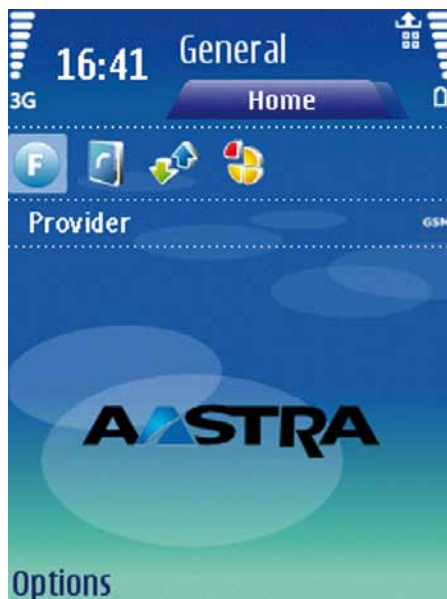
## Fixed Mobile Convergence

### Be contactable wherever you want!

For customers and suppliers, always contactable can be a blessing. You often find once business partners have someone's mobile number, that person's well-earned holiday or weekend rest may well be over. Fixed Mobile Convergence (FMC) Integration ensures you are contactable on your terms. Installing Aastra Mobile Client (AMC) on the GSM phone allows it to respond in the same way as an Aastra 800 terminal. Internal subscribers are easily reached on their one to five-digit call number.

Outgoing calls are made by the subscribers via the company's fixed network number. The mobile phone number remains "secret". All calls reach the fixed phone on the desk and the mobile phone at the same time. No-one has to worry about where the call partner might be or which call number has to be dialled to reach him – there is only one number (one-number concept). The line key on the busy lamp field of the system and Aastra SIP phones indicates "busy", even if a conversation is being held with AMC on the mobile.

With AMC, there is an additional menu on the mobile, which is compatible with any mobile both in terms of appearance and use. The Nokia mobile has a Nokia menu, and BlackBerry users are able to operate the new menu in the usual BlackBerry way. Features such as enquiry calls, call forwarding and three-party conference are easy to operate. There is only one voicemail box which records unanswered calls and must be queried.



With the TAKE feature the subscriber can continue any calls on his desktop originally set up on the move, without any interruption; likewise he can transfer calls that were initiated in the office to his mobile phone and continue the call on the move.

If you do not wish to be disturbed, just activate the Do not disturb function on AMC. Only people who have your mobile call number will be able to reach you.

### Requirements for FMC with Aastra 800

All calls with AMC are made via the Aastra 800. For this reason, a sufficient number of voice channels is necessary for non-blocking communication.

These channels must support the "clip no screening" feature. One OpenAccess Mobile Client license is necessary for each installed AMC and for each GSM phone logged in. To use FMC cost-effectively you should select a suitable tariff model between leased line and mobile radio connection.

# Integrated application – communication solutions for everyday use

Communication can have a big impact – when seamlessly integrated into your business processes. Aastra 800 applications provide intelligent, fast solutions for different scenarios. To meet specific requirements, these modules can be easily combined and extended to create complex customised system solutions.

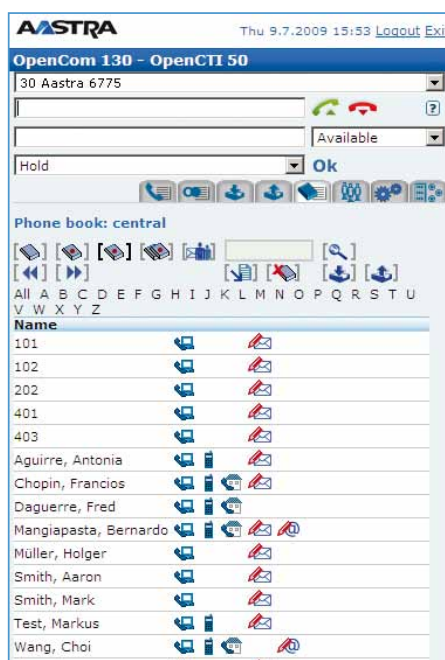
## OpenVoice 200\* – do not miss a single call

Every caller is a potential customer. With OpenVoice 200 you can assist callers when you are not personally present. Outside office hours, messages are taken by voice mailboxes which can be flexibly configured. The user is notified by e-mail that a message is waiting, and the message is attached to the e-mail (voice-to-mail). During working hours the “announcement before answering” function allows you to greet callers on behalf of the company and includes a message about your latest product, as an example.

OpenVoice provides individual voice mailboxes for up to 200 employees or user groups, depending on the version chosen. With all Aastra system phones, OpenVoice can be conveniently controlled from the display. The announcement texts are recorded, saved and selected using the phone.

## OpenCTI 50\* – browser-based CTI with that little bit extra

OpenCTI 50 offers more than just computer telephony integration (CTI) – the seamless combination of data and voice communication throughout a company. OpenCTI 50 allows users to dial numbers from the phonebook via the web browser on their PC, check and manage their voice mailbox – and much more. For example, OpenCTI 50 can also send text messages to system phones – very useful when you are in a meeting and need to notify someone of an important call you are expecting without causing a disturbance. It also significantly simplifies the operation of OpenVoice 200, particularly recording, saving and



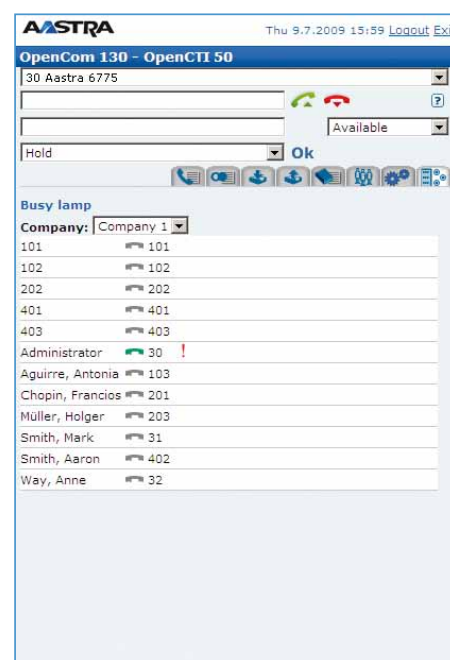
selecting announcement texts. OpenCTI 50 is required to record professional-standard announcements.

*Try it out for yourself!  
All the applications are  
already preinstalled. You  
can use the applications  
marked with\*, with full  
functions, for 60 days  
trial period.*

## OpenAttendant 205\* – more service for your customers

Intelligently forwarding customers to the right contact person and responding automatically to customer requests helps you make efficient use of resources and increases customer satisfaction. The optimum solution to both tasks is OpenAttendant 205, the innovative alternative to a conventional switchboard which can also be used for information and announcement services.

This application provides complete, automatic and interactive caller guidance using the phone's keypad. The



menus can be freely defined, and up to ten auto attendant systems are supported. Access to particular areas can be protected by a PIN. The module contains announcement-text and music-on-hold functions, as well as conversion software.

## OpenCompany 45\*

If the Aastra 800 is deployed for a group of companies or in shared offices, OpenCompany 45 enables you to keep the communication structures and costs incurred by up to 20 different user groups separate from each other. This separation covers the outside lines, call distribution, phonebook, call data recording and trunk group seizure. Each company can maintain its own phonebook. Important numbers used by more than one company, such as couriers or pizza delivery services, can be accessed via the central phonebook which is accessible to all companies.

## OpenCount 100\*

OpenCount 100 centrally records all call data (6000 data records), and provides clear and detailed evaluations. Using the integrated export function, data can be transferred to other programs for further processing.

## Solutions for guesthouses and hotels

With OpenHotel 20 and OpenHotel 100, the Aastra 800 offers flexible solutions for guesthouses and hotels. With its numerous functions including check-in / check-out, room status, wake-up service, call recording with OpenCount 100 and message waiting on system phones or suitable analogue telephone.

### OpenHotel 20

Your system telephone can give an overview of the status of up to 20 rooms in guesthouses and small hotels (vacant, occupied or to be cleaned). In addition, the room key manages check-ins and check-outs. Call charges can be shown on the terminal display when guests wish to check out.

### OpenHotel 100\*

OpenHotel 100 is ideal for hotels with up to 200 rooms and provides an overview of the status of all rooms on the receptionist's PC. The language of the display texts used on the guest's room telephone can be set via the browser when the guest checks in. If desired, guests can be given a printed telephone bill when they check out.

**Aastra** Thu 9.7.2009 13:08 Logout Exit

OpenCom 130 - OpenHotel 100

Room	Name	Wakeup call	Duration of stay	Notes
101				AC, Minibar
102				Balcony
103	Aguirre, Antonia (ES)		Thu 09.07.09 - Sat 31.10.09	
201	Chopin, Francios (FR)	06:30	Thu 09.07.09 - Tue 22.12.09	
202				Kingsize
203	Müller, Holger (DE)		Thu 09.07.09 - Sat 16.01.10	
401				
402	Smith, Aaron (GB)	04:45	Thu 09.07.09 - Thu 22.07.10	Early bird
403				

Room 202 - Wakeup call - Windows Internet Explorer

Time: 07 : 00 hh:mm

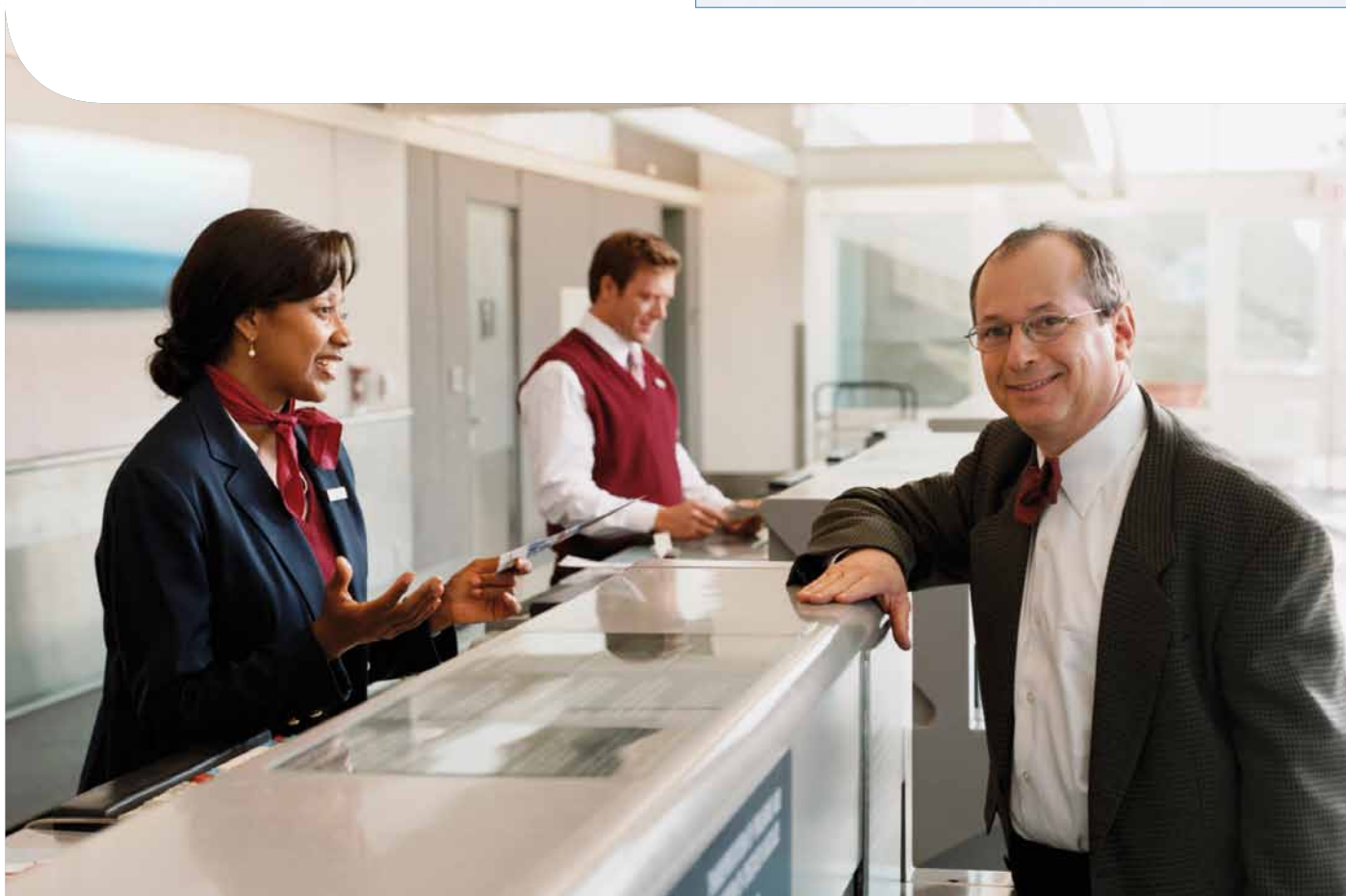
Reset:

OK Cancel

**Aastra** Tue 14.7.2009 13:47 Logout Exit

OpenCom 130 - OpenHotel 100

Floor	Room	Name	Duration of stay
4	401		
	402	Smith, Aaron (GB)	Thu 09.07.09 - Thu 22.07.10
2	201	Chopin, Francios (FR)	Thu 09.07.09 - Tue 22.12.09
	202		
	203	Müller, Holger (DE)	Thu 09.07.09 - Sat 16.01.10
1	101		
	102		
	103	Aguirre, Antonia (ES)	Thu 09.07.09 - Sat 31.10.09





Aastra 800 Overview	
Operating System	Microsoft Windows XP™ Professional (SP2 or SP3), Microsoft Windows Server 2003™ Windows 7 (32 BIT) as from the 3rd quarter of 2010
Processor	Intel Pentium 4, Intel Centrino, Intel Xeon or Intel Core™ Duo or Quad Processor (>2GHz)
Main memory	Required: 1 GB RAM
Memory	An SSD (Solid State Disk) or HDD (Hard Disk Drive) can be used as storage media. A "fast" drive has to be used for storing Voicemail data. Min. 10 MB/s for read and write. Required: 16 GB available, possibly more for Windows Updates
Other hardware	Required: a network card 100 Mbps (100-BaseT) Recommended: two network cards for separating LAN and WAN
Cabling	Aastra 800 can be integrated into any IP network with structured cabling. The network resources and voice prioritisation especially under high network loads are to be evaluated by IP specialists along with the network administrator.
Network access	SIP trunk – also with dialling and "clip no screening", if supported by the Provider. ISDN-S0 BRI* – Conventional ISDN basic access as multipoint or system interface with direct dialling, also for fail-safe configuration. ISDN-S2M PRI* – ISDN primary rate access for 30 voice channels
Phones	Recommended: Aastra system phones Aastra 6770ip or Aastra 2770i softphone Aastra SIP phones (Aastra 6700i) offer a substantially better integration than SIP phones from other manufacturers and also offer the possibility of operating XML applications on the phone. SIP phones from other manufacturers do not offer system comfort and cannot be configured via the central administration interface, although they can be connected, e.g. door stations on SIP protocol.
Mobility	DECT over IP base stations and Aastra DECT system phones are the perfect cordless solution on company premises and other locations (connection via WAN and WLAN). Fixed Mobile Convergence (FMC) – the Aastra Mobile Client (AMC) turns a GSM phone into an internal extension.
Other devices	Analogue terminals and existing ISDN phones can be connected via gateway interface cards in the PC.
<b>Applications</b>	
TAPI 2.1	TAPI provides the standardised interface for CTI applications in the LAN for standalone stations or central server solutions, dialling from Outlook or popup window from your client file whenever a customer calls. All key information you need at the right moment.
CSTA	The integration of all interactive solutions, from call centres to building services automation – The CSTA interface provides communication through to the DECT or desktop phone and allows for example alarm messages in plain language and instant response using interactive menu control on the move, as well as preprogrammed keys on the desktop phone. The programming is made via an XML interface.
XML	SIP phones provide XML keys capable of accessing network applications directly.

\* Gateway interface card in the PC and appropriate licenses required

Aastra 6773ip	
<b>Equipment</b>	
3 softkeys/line keys with LED	
5 user-programmable keys with LED	
15 function keys, of which 4 with signalling via LED	
Scroll key	
4-line graphic display 144x48 pixels	
Ethernet interface	
Adjustable to four different heights with an angle stand	
suitable for wall mounting	
expandable with up to three Aastra M671	
DHSG headset socket and Ethernet switch for one PC	
Power is supplied by the power supply unit or Power over Ethernet (IEEE 802.3af, class 2)	
<b>Features</b>	
Menu card function	
Variable menu structure, depending on the call status	
Adjustable volume (handset, loudspeaker, ringing tone and headset)	
Hands-free operation	
Take	
Call Preparation	
Redial	
Call list with date and time	
LEDs for signalling Call transfer statuses (do not disturb, call forwarding) and for displaying further information (e.g. message-waiting or e-mail signals)	
Receiving SMS	
Dimensions (WxHxD): 235x208x46 mm	
Colour: black	

## Accessories



Aastra 6775ip	Aastra 2770ip	Aastra M671 for Aastra 6773ip, 6775ip	Aastra M676 for Aastra 6775ip	
9 softkeys/line keys with LED	PC user interface either like Aastra 6773ip or Aastra 6775ip  plus: skin-compatible interface design for use in conjunction with skins (interface can be changed by downloading skins)		20 softkeys/line keys with LED	
15 function keys, of which 4 with signalling via LED			36 freely configurable keys with LED	
Scroll key			3 function keys for switching between 3 levels	
11-line illuminated graphic display: 144x128 pixels			11-line backlit graphic display: 144x128 pixels	
Ethernet interface			Adjustable to four different heights with an angle stand	Adjustable to four different heights with an angle stand
Adjustable to four different heights with an angle stand			suitable for wall mounting	suitable for wall mounting
suitable for wall mounting				
expandable with up to three Aastra M671 or M676				
DHSG headset socket and Ethernet switch for one PC			Power is supplied via the phone.	Power is supplied via the phone.
Power is supplied by the power supply unit or Power over Ethernet (IEEE 802.3af, class 3)				
Menu card function	same as Aastra 6775ip, plus: Call recording function for PC answering machine free seating/roaming user			
Variable menu structure, depending on the call status				
Adjustable volume (handset, loudspeaker, ringing tone and headset)				
Hands-free operation				
Take				
Call Preparation				
Redial				
Call list with date and time				
LEDs for signalling Call transfer statuses (do not disturb, call forwarding) and for displaying further information (e.g. message-waiting or e-mail signals)			LEDs for signalling Call transfer statuses (do not disturb, call forwarding) and for displaying further information (e.g. message-waiting or e-mail signals)	LEDs for signalling Call transfer statuses (do not disturb, call forwarding) and for displaying further information (e.g. message-waiting or e-mail signals)
Receiving SMS				
Dimensions (WxHxD): 235x208x46 mm		Dimensions (WxHxD): 150x200x46 mm	Dimensions (WxHxD): 150x200x46 mm	
Colour: black		Colour: black	Colour: black	

## Overview of SIP phones

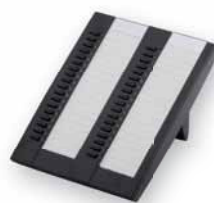


Aastra 6730i	Aastra 6731i	Aastra 6739i	Aastra 6753i
<b>Equipment</b>			
max. 6 lines	max. 6 lines	max. 9 lines	max. 9 lines
2 fixed line keys	2 fixed line keys	3 fixed line keys with LEDs	3 fixed line keys
8 configurable keys with LED	8 configurable keys with LED	55 individually configurable keys on the display	6 configurable keys with LED
10 fixed function keys plus 4-way navigation	10 fixed function keys plus 4-way navigation	14 fixed function keys	8 fixed function keys plus 4-way navigation
Scroll key	Scroll key	Picture ID – displaying the caller's photograph	Scroll key
3-line display of 16 characters each	3-line display of 16 characters each	5.7" (14.5 cm) colour touch screen LCD, VGA resolution (640×480)	3-line display of 16 characters each, backlit <sup>1</sup>
Adjustable to four different heights with an angle stand suitable for wall mounting	Adjustable to four different heights with an angle stand suitable for wall mounting	Adjustable to four different heights with an angle stand suitable for wall mounting	Adjustable to four different heights with an angle stand suitable for wall mounting
Network connection 10/100 Mb/s	Ethernet switch for 1 PC 10/100 Mb/s	Headset socket (RJ-45) and Ethernet switch for 1 PC 10/100/1000 Mb/s	Headset socket (RJ-11) and Ethernet switch for 1 PC 10/100 Mb/s
Powered by power supply unit	Power is supplied by Power over Ethernet (IEEE 802.3af, class 3) or optional adapter	Power is supplied by Power over Ethernet (IEEE 802.3af, class 3) or adapter	Power is supplied by Power over Ethernet (IEEE 802.3af, class 3) or adapter
		USB interface, Bluetooth headset compatible	
<b>Features</b>			
Auto-rollout	Auto-rollout	Auto-rollout	Auto-rollout
Auto-provisioning	Auto-provisioning	Auto-provisioning	Auto-provisioning
Phone book (central)	Phone book (central)	Phone book (central)	Phone book (central)
Call list	Call list	Call list	Call list
Busy indicator with pick-up	Busy indicator with pick-up	Busy indicator with pick-up	Busy indicator with pick-up
Voicemail display and retrieval	Voicemail display and retrieval	Voicemail display and retrieval	Voicemail display and retrieval
Messages (short messages and e-mail)	Messages (short messages and e-mail)	Messages (short messages and e-mail)	Messages (short messages and e-mail)
Call, call-waiting protection	Call, call-waiting protection	Call, call-waiting protection	Call, call-waiting protection
Take	Take	Take	Take
Open listening and hands-free	Open listening and hands-free	Open listening and hands-free	Open listening and hands-free
Mute function	Mute function	Mute function	Mute function
Call list with date and time	Call list with date and time	Call list with date and time	Call list with date and time
LEDs for signalling Call transfer statuses (do not disturb, call transfer) and for displaying further information (e.g. message-waiting or e-mail signals)	LEDs for signalling Call transfer statuses (do not disturb, call transfer) and for displaying further information (e.g. message-waiting or e-mail signals)	LEDs for signalling Call transfer statuses (do not disturb, call transfer) and for displaying further information (e.g. message-waiting or e-mail signals)	LEDs for signalling Call transfer statuses (do not disturb, call transfer) and for displaying further information (e.g. message-waiting or e-mail signals)
Dimensions (W×H×D): 178×208×77 mm	Dimensions (W×H×D): 178×208×77 mm	Dimensions (W×H×D): 178×208×77 mm	Dimensions (W×H×D): 235×208×46 mm
Colour: black	Colour: black	Colour: black	Colour: black

The Aastra 800 range supports as of release 10 Aastra HI-Q Audio.

(1) adjustable to "always off" and "automatic"

## Accessories



Aastra 6755i	Aastra 6757i	Aastra M670i for Aastra 6753i, 6755i, 6757i, 6739i	Aastra M675i for Aastra 6755i, 6757i, 6739i
max. 9 lines	max. 9 lines		
4 fixed line keys	4 fixed line keys		20 softkeys/line keys with LED
6 configurable keys with LED		36 user-configurable keys with LED	
6 configurable keys with labelled in the display, with LEDs (5 configurable in 3 levels)	5 keys configurable in 2 levels and 5 keys configurable in 4 levels labelled in the display, with LEDs		
8 fixed function keys plus 4-way navigation	8 fixed function keys plus 4-way navigation		3 function keys for toggling between 3 levels
Scroll key	Scroll key		
Graphic display with 144x75 pixels backlit <sup>1</sup>	Graphic display with 144x128 pixels backlit <sup>1</sup>		11-line illuminated graphic display 144x128 pixels
Adjustable to four different heights with an angle stand suitable for wall mounting	Adjustable to four different heights with an angle stand suitable for wall mounting	Adjustable to four different heights with an angle stand suitable for wall mounting	Adjustable to four different heights with an angle stand suitable for wall mounting
can be extended with up to three M670i and M675i	can be extended with up to three M670i and M675i		
Headset socket (RJ-11) and Ethernet switch for 1 PC 10/100 Mb/s	Headset socket (RJ-11) and Ethernet switch for 1 PC 10/100 Mb/s		
Power is supplied by Power over Ethernet (IEEE 802.3af, class 3) or adapter	Power is supplied by Power over Ethernet (IEEE 802.3af, class 3) or adapter	Power is supplied via the phone.	Power is supplied via the phone.
Auto-rollout	Auto-rollout		
Auto-provisioning	Auto-provisioning		
Phone book (central)	Phone book (central)		
Call list	Call list		
Busy indicator with pick-up	Busy indicator with pick-up		
Voicemail display and retrieval	Voicemail display and retrieval		
Messages (short messages and e-mail)	Messages (short messages and e-mail)		
Call, call-waiting protection	Call, call-waiting protection		
Take	Take		
Open listening and hands-free	Open listening and hands-free		
Mute function	Mute function		
Call list with date and time	Call list with date and time		
LEDs for signalling Call transfer statuses (do not disturb, call transfer) and for displaying further information (e.g. message-waiting or e-mail signals)	LEDs for signalling Call transfer statuses (do not disturb, call transfer) and for displaying further information (e.g. message-waiting or e-mail signals)	LEDs for signalling Call transfer statuses (do not disturb, call transfer) and for displaying further information (e.g. message-waiting or e-mail signals)	LEDs for signalling Call transfer statuses (do not disturb, call transfer) and for displaying further information (e.g. message-waiting or e-mail signals)
Dimensions (W×H×D): 235×208×46 mm	Dimensions (W×H×D): 235×208×46 mm	Dimensions (W×H×D): 150×200×46 mm	Dimensions (W×H×D): 150×200×46 mm
Colour: black	Colour: black	Colour: black	Colour: black

## Overview of DECT system phones



Aastra 610d	Aastra 620d	Aastra 630d	Aastra 142d
<b>Equipment</b>			
3 softkeys, 4 configurable keys	3 softkeys, 8 configurable keys	3 softkeys, 8 configurable keys	2 Softkeys
Illuminated keypad	Illuminated keypad	Illuminated keypad	Illuminated keypad
			4 permanently assigned function keys
Navigation key	Navigation key	Navigation key	Scroll key
8-line LC display (2", 176×160 pixels), backlit	9-line TFT colour display (2", 176×220 pixels, 65.536 colours), backlit	9-line TFT colour display (2", 176×220 pixels, 65.536 colours), backlit	5-line graphic display 96×60 pixels backlit
	USB connection	USB connection	USB connection
DECT interface with system functionality	DECT interface with system functionality	DECT interface with system functionality	DECT interface with system functionality
Headset socket	Headset socket and Bluetooth	Headset socket and Bluetooth	Headset socket
44 polyphonic/8 non-polyphonic ringing melodies	44 polyphonic/8 non-polyphonic ringing melodies	44 polyphonic/8 non-polyphonic ringing melodies	30 adjustable ring tone melodies
	Vibration alarm	Vibration alarm	Vibration alarm
Belt clip	Belt clip	Belt clip	Belt clip
Download over air	Download over air	Download over air	
			MEM card (for phone book with 100 entries and system-specific data)
Weight: approx. 120 g	Weight: approx. 120 g	Weight: approx. 137 g	Weight: approx. 138 g
Standby: 100 hours	Standby <sup>1</sup> : 100 hours	Standby <sup>1</sup> : 100 hours	Standby: 140 hours
Talk time: 12 hours	Conversation time <sup>1</sup> : 12 hours	Conversation time <sup>1</sup> : 12 hours	Talk time: 14 hours
Battery pack (lithium ion)	Battery pack (lithium ion) optional power battery pack (lithium ion)	Battery pack (lithium ion) optional power battery pack (lithium ion)	Battery: NiMH battery cells (AAA)
Charging time: approx. 2.5 hours for an empty standard battery	Charging time: approx. 2.5 hours for an empty standard battery	Charging time: approx. 2.5 hours for an empty standard battery	Charging time: approx. 6 hours for an empty battery
<b>Features</b>			
5 configurable user profiles	5 configurable user profiles	5 configurable user profiles	
Variable menu structure, depending on the call status	Variable menu structure, depending on the call status	Variable menu structure, depending on the call status	Variable menu structure, depending on the call status
Adjustable volume (handset, loudspeaker, ringing tone)	Adjustable volume (handset, loudspeaker, ringing tone)	Adjustable volume (handset, loudspeaker, ringing tone)	Adjustable volume (handset, loudspeaker, ringing tone)
Hands-free operation	Hands-free operation	Hands-free operation	Hands-free (key with red LED)
Adaptation of ring tone and call volume to ambient noise levels	Adaptation of ring tone and call volume to ambient noise levels	Adaptation of ring tone and call volume to ambient noise levels	
	Adjustable display font size	Adjustable display font size	
		SOS key and dead-man circuit, 3 sensor alarms	SOS key
Call list with date and time	Call list with date and time	Call list with date and time	Call list with date and time
Toolbar for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)	Toolbar for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)	Toolbar for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)	Toolbar for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)
Receiving SMS	Receiving SMS	Receiving SMS	
Handset dimensions (W×H×D): 49×135×22.5 mm	Handset dimensions (W×H×D): 49×135×22.5 mm	Handset dimensions (W×H×D): 53×135×22.5 mm	Handset dimensions (W×H×D): 55×146×28 mm
Protectiontype: IP50	Protectiontype: IP50	Protectiontype: IP65	Protectiontype: IP50
Colour: black/grey/silver	Colour: black/grey/silver	Colour: black/grey/silver	Colour: Black/silver metallic

(1) The values apply to the standard battery pack and double whenever the power battery pack is used.

## DECT over IP base stations



**DECT over IP base stations:**  
RFP 32 IP (indoor)  
RFP 34 IP (outdoor)

**DECT over IP base station  
and WLAN access point**  
RFP 42 WLAN

### Equipment

Radio standard DECT  
Network standard: TCP IP

Radio standard DECT  
WLAN (IEEE 802.11 b and g)  
Network standard: TCP IP

### Features

Voice and data transmission	Voice and data transmission
Data transmission via the air interface	Data transmission via the air interface
Access via Ethernet LAN with TCP IP on OpenCom 100	Access via Ethernet LAN with TCP IP on OpenCom 100
8 simultaneous calls	8 simultaneous calls
Power supply: Power-over-Ethernet, alternatively plug-in power supply unit (RFP 32 IP only)	Power supply: Power-over-Ethernet, alternatively Plug-in power adapter
Sync-over-Air	Sync-over-Air
Cable length similar to Ethernet standard	Cable length similar to Ethernet standard
Display of operating status via LEDs (RFP 32 IP only)	Display of operating status via LED
Wall mountable, mast mountable (RFP 34 IP)	suitable for wall mounting
RFP 32 IP can be operated with integrated omni antenna, and RFP 34 IP with a dipole or directional antenna	with integrated omni antenna for DECT, and external dipole antenna for WLAN
Dimensions (W×H×D): RFP 32 IP: 195×200×30 mm RFP 34 IP: 240×236.5×65 mm	Dimensions (W×H×D): 195×200×30 mm
Protectiontype: IP55 (for RFP 34 IP only)	Protectiontypetype: IP20
Colour: steel grey	Colour: steel grey



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VOIP



## About Aastra

Aastra Technologies Limited, (TSX: "AAH") is a leading corporate communication systems company. Aastra is headquartered in Concord, Ontario, Canada. Aastra develops and markets innovative communication solutions which address the needs of companies, small and large. Aastra has representatives across the globe, with over 50 million installed connections and direct as well as indirect presence in more than

100 countries. The broad portfolio offers multi-function call managers for small and medium-sized companies as well as highly scalable call managers for large companies. The portfolio also includes integrated mobility solutions, call-centre solutions and a wide range of terminals. With strong focus on open standards and customer-specific solutions, Aastra enables companies to communicate and work together more effectively.

**Please visit Aastra's website for further information: [www.aastra.com](http://www.aastra.com)**