



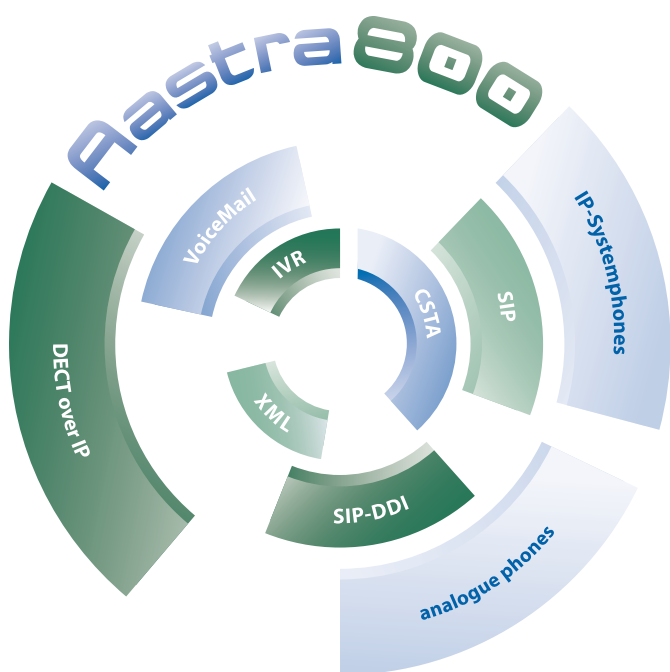
Open, flexible, professional

Aastra 800

The hardware-independent call manager  
with complete functionality

**A**ASTRA

# Complete VoIP – professional telephony on your PC



With the Astra 800, an innovative hardware-independent call manager from Aastra, it's quick and easy to set up a powerful and professional communication system – without manufacturer-specific hardware or complex programming.

## Hardware-independent, open, future-proof

The Astra 800 brings the whole world of professional telephony to your PC. With just a few clicks, the powerful software converts a standard PC running on Windows XP into a professional telecommunications system. The Astra 800 is easy to administer even without special knowledge of telecommunications and offers a flexibility and functionality unrivalled by conventional phone systems. The strengths of the Astra 800 come into their own wherever there is IP-based networking. Voice over IP is the cost-effective way to use

your existing network for telephony – it's simple, flexible and even works across different offices or sites. Thanks to the open interfaces, integrating the Astra 800 into your infrastructure is child's play.

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

- all types of trunk line: SIP, SIP-DDI, ISDN\* and analogue\*
- all types of phone: IP system phones (Aastra 677xip), SIP phones (Aastra 675xi and others) and also analogue\* and ISDN phones\*
- wide range of system phone features
- multi-cell DECT radio networks with DECToverIP®
- IP site networking with QSIG protocol
- flexible networking with external applications to map your business processes

## Still programming, or would you rather be communicating?

IT administrators will appreciate how easy the Astra 800 is to install. No programming is required: just download the software, install and configure – you can start using the Astra 800 straight away with a functionality that covers virtually all the requirements of a call manager system. Configuration takes place in the web browser itself with an intuitive user interface, and is no different from standard PC networks: just create a user, issue authorisations, set up access to the communication network, and you're done. Rights management is flexibly controlled by means of user groups. Another of the system's strengths compared with open-source solutions is reliable support from the manufacturer. Aastra sales partners and customers receive immediate support whenever it's needed.

\* with gateways



## Your communication system grows with your requirements

In the trial version, the Aastra 800 supports one SIP trunk and three IP system phones from the Aastra 677xip range, three SIP phones from the Aastra 675xi range, and three SIP phones from any manufacturer. It is possible to set up a DECT radio network with DECToverIP® 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.

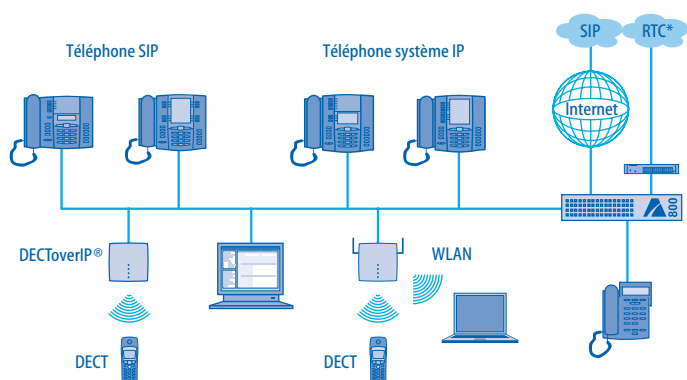
You can flexibly adapt your communication server with additional requirements whenever you need to, simply by activating extra licences. The software also includes numerous integrated intelligent applications, e.g. for CTI, corporate groups and hotels, which can be activated in the configuration menu for trial purposes for 60 days (read more on p. 12).

## Open standards

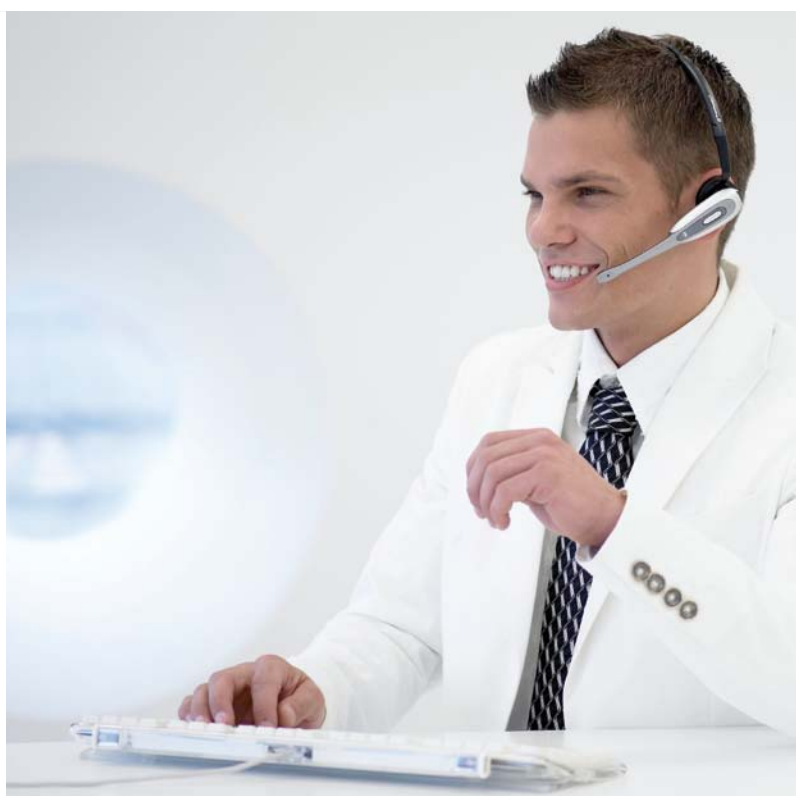
Open standards ensure the interoperability of systems, phones and applications and allow you to integrate the Aastra 800 seamlessly and with minimum effort in your communication infrastructure. The Aastra 800 features all the key standard application interfaces such as TAPI, CAPI and CSTA (BER & XML).

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. So for example, your cordless Aastra system phone can become a portable control device for monitoring or remotely controlling your applications and systems.

### Aastra 800 Overview



\* Public Switched Telephone Network



# More performance, lower costs, secure investments: the communication technology of tomorrow



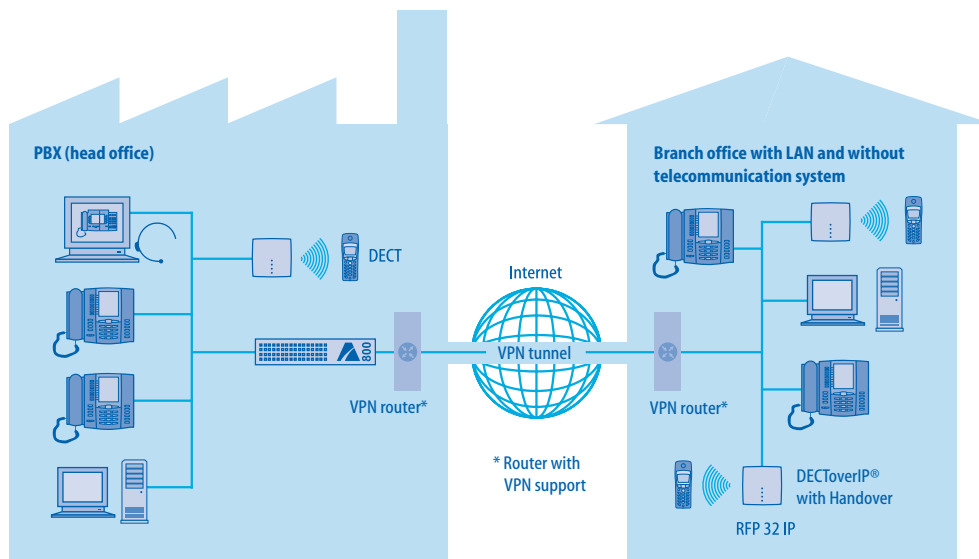
With Voice over IP (VoIP) you can use your existing data network to transmit voice data. Combining your IT and telecommunications infrastructures makes your business more streamlined and efficient. You'll save money on equipment and maintenance and free up your staff to focus on the really important things. VoIP also allows you to network different sites easily and cost-effectively.

The benefits:

### 1. Reduce your costs!

Calls between company sites, including calls to mobile devices DECToverIP®, are free. The integration of voice mailboxes, your switchboard and network management will result in a sustained reduction of your running costs. In addition, you save on hardware and maintenance costs for your infrastructure.

DECToverIP® in a branch office or home office





## 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 both the communications network and the company network.

## 3. Face the future with confidence!

VoIP is a future-proof investment, because you can 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.

## IP phones

The Astra 800 allows you to use a wide range of VoIP phones. You can choose between IP system phones from the Astra 677xip range, SIP phones from the Astra 675xi range, and SIP phones from other manufacturers. For system telephony on notebooks, for example, the Astra 2770ip softphone solution is ideal.

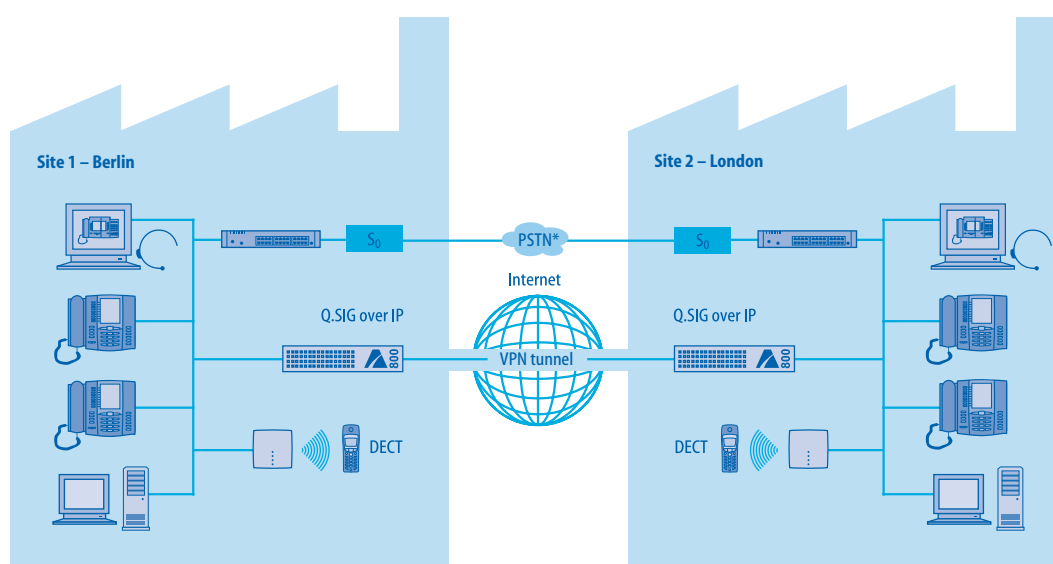
## QSIG over IP

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. Telephone calls between sites are free of charge; internal calls are automatically routed via IP. Depending on your requirements, network sites can also be equipped with their own trunk lines if necessary. Expanded features are also transferred.

## DECToverIP®

With DECToverIP® it is possible to fully integrate tried-and-tested cordless DECT telephony into an IP infrastructure in order to create mobility solutions with full system functionality. The DECToverIP® base stations are connected directly to the LAN in exactly the same way as VoIP terminals. Either system phones or standard GAP phones can be used as cordless DECT terminals.

### Complete system – QSIG over IP network



\* Public Switched Telephone Network

# IP system phones – telephony with that little bit extra



Aastra 6775ip (OpenPhone 75 IP)  
with illuminated display switched on



Aastra 6773ip (OpenPhone 73 IP)



Aastra 2770ip (OpenPhone 7x IPC)

Extensive system functions, ease of operation and context-sensitive help – the IP terminals of the Aastra 677xip range represent versatility, performance and ergonomics. The system phones support all the features of the Aastra 800 and can be optimally incorporated in the telecommunications system.

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. This means that several field employees can share a single terminal at head office, for example, as each one uses their own familiar interface.

The terminals have an 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 6773ip (OpenPhone 73 IP) – the convenient phone

To give the user clear information, the 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. The Aastra 6773ip can be flexibly expanded with up to three Aastra M671 keypad extensions (KeyExtension 73P).

## Aastra 6775ip (OpenPhone 75 IP) – the premium phone

The Aastra 6775ip was developed in order to deal with complex communications tasks. The illuminated 11-line display and the nine softkeys enable the user to keep track of an entire team at a glance and 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 keypad extensions, either the Aastra M671 (KeyExtension 73P) or the Aastra M676 (KeyExtension 75D).

# Even more flexibility: softphones and keypad extensions for system phones



Aastra 6773ip with Aastra M671  
(OpenPhone 73 IP with KeyExtension 73P)



Aastra 6775ip with Aastra M671  
(OpenPhone 75 IP with KeyExtension 73P)



Aastra 6775ip with Aastra M676  
(OpenPhone 75 IP with KeyExtension 75D)

## The system phone on your PC: Aastra 2770ip (OpenPhone 7x IPC)

The Aastra 2770ip softphone transforms your Windows PC or notebook into a fully functional system telephone. 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 the option of recording calls.

### OpenSoftPhone 100

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

## Keypad extensions for system phones

### Aastra M671 (KeyExtension 73P)

The convenient keypad extension Aastra M671 equips the Aastra 6773ip and Aastra 6775ip IP system phones with 36 additional softkeys (function and destination keys), for example 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.

### Aastra M676 (KeyExtension 75D)

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

# Cordless system phones – mobility and convenience

Do you need a mobility solution for in-house use? With the Aastra 800 and DECToverIP® it's easy to set up a multi-cell DECT radio network. The 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.

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, which means it can cover even large offices or entire company premises. Calls are handed over from one DECT cell to the next – thanks to the roaming and handover features, they are never interrupted, so you can enjoy the full convenience of cordless communication. In conjunction with the Aastra 800, the DECT phones of the OpenPhone 2x range become fully functional system phones with access to various system features, for example text message display, alarm functions and connection to external applications via CSTA.

## OpenPhone 26 – the convenient solution

Even the entry-level model for DECT system telephony, the OpenPhone 26, has a wide range of convenient features such as an illuminated graphic display, open listening and an emergency call



OpenPhone 26



OpenPhone 27



OpenPhone 28

button. With a call time of up to 20 hours and a standby time of up to 200 hours, it can be used in office environments around the clock.

## OpenPhone 27 – the premium solution

In addition to the features of the OpenPhone 26, the premium model OpenPhone 27 also offers a vibration alarm, headset connection, hands-free operation and illuminated keyboard. The bigger display simplifies actions such as using the system menus and scrolling through the phonebook. The terminal ID, the local phonebook with up to 100 entries and all the user's personal settings are stored on the integrated memory card. So if the user switches terminals, all their pre-settings are immediately available on the new one. When connected to the company network, the terminal conveniently alerts the user to incoming e-mails and displays internal text messages.

## OpenPhone 28 – the robust solution

The OpenPhone 28 offers all the same features as the OpenPhone 27 and is particularly suitable for use in dusty or damp conditions (it complies with industrial ingress protection standard IP 54 on protection against dust and splashing water). For enhanced safety the OpenPhone 28 is equipped with a "man down" feature. It uses an integrated position sensor to detect its angle of inclination and automatically makes an emergency call in the event of an emergency. The device also has an SOS button with which the user can trigger an emergency call.



# The DECToverIP® base stations



The DECToverIP® base stations are the fundamental building blocks for expanding your own DECT radio network. Each of these stations is directly connected to the IP network and represents its own cell in the DECT radio network with a range of up to 300 metres. The synchronization 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.

## RFP 32 IP – the indoor base station

The RFP 32 IP enables the complete integration of DECT radio networks into the IP infrastructure and can be used to make eight 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 optimized for outdoor use (complies with IP 65). 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 standards of mobile communication: 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. Thanks to its central administration via web browser, it is possible to create a hotspot using several WLAN access points.

# SIP phones – equipped for the future



Aastra 6751i



Aastra 6753i



Aastra 6755i



Aastra 6757i

Wherever open standards are required, the universal SIP phones from the Aastra 675xi range offer everything demanded of modern professional communication. Thanks to XML support, Aastra SIP phones offer almost unlimited potential for individualisation with minimal effort and seamless integration of your own applications and services. Aastra 675xi phones can control external devices and displays or query and display measurement values, for example.

Configuration of the Aastra 675xi phones is performed conveniently using a web browser with the Aastra 800. All settings are backed up there so they are available again immediately should a device be changed. The Aastra 675xi has an integrated switch for direct connection to the desktop PC and can be powered over the network using the Power-over-Ethernet principle.

## Aastra 6751i – the entry-level model

Even the basic version of the Aastra 675xi range offers elegant design, high performance and flexibility. The entry-level model can be wall-mounted and is ideal for use in entrance areas or staff common rooms.

## Aastra 6753i – the standard model

The Aastra 6753i standard business phone offers the same functions as the Aastra 6751i plus extra convenient functions. For example, it features a three-line LC display, six configurable buttons and a headset connection. This makes the Aastra 6753i suitable for any user who needs to keep their hands free, for example in a call centre. The terminal can be easily extended if necessary with extra function keys by combining it with the Aastra M670i key module.

## Aastra 6755i – more convenience for more efficiency

The convenience model Aastra 6755i features a large, graphics-enabled LC display with backlighting and six dynamic, context-sensitive softkeys. As with the Aastra 6753i, there are another six programmable buttons that can be labelled with paper strips. The number of function keys can be flexibly extended if required by adding up to three Aastra M670i or M675i key modules (combinations are also possible).

## Aastra 6757i – premium performance for high demands

The premium phone Aastra 6757i has the largest display of the Aastra 675xi range. It goes without saying that it is also backlit and graphics-enabled. 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 extended with a large number of extra function keys by combining it with the Aastra M670i and M675i.

# SIP phones – equipped for the future



Aastra M670i



Aastra M675i

## Keypad extensions for SIP phones

### Aastra M670i (Aastra 536M)

The convenient keypad extension Aastra M670i equips the Aastra 6753i, Aastra 6755i and Aastra 6757i SIP terminals with 36 additional function or destination keys. Each key also has an LED for status display. Up to three Aastra M670i extensions with 36 keys each can be connected without the need for an additional power supply.

### Aastra M675i (Aastra 560M)

The premium key module Aastra M676 equips the Aastra 6755i and Aastra 6757i SIP terminals with an additional 20 softkeys (function and destination keys), each of which can be assigned functions in three levels. The keys are labelled flexibly in the illuminated display. Each key also has a status LED. Up to three Aastra M675i extensions can be connected without the need for an additional power supply.

## Aastra 312w – WLAN SIP phone

The Aastra 312w enables businesses to use their existing WLAN infrastructure for voice communication.

It offers the best of Voice over WLAN with very user-friendly menu navigation, a high-resolution colour display and modern security mechanisms. For users with particularly high demands, the Aastra 312w provides all the necessary functionalities: hands-free operation, headset connection and vibration alarm.

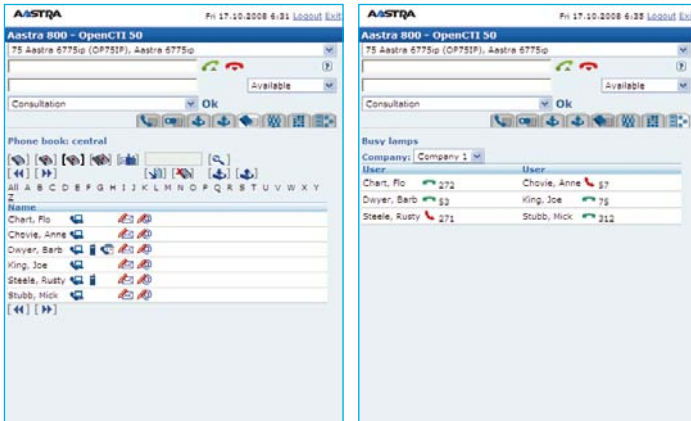


Aastra 312w



# Applications and licences – intelligent solutions for every requirement

Just try it out!  
All applications are already preinstalled.  
You can test all applications marked with an \* with their complete range of functions during 60 days.



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

## OpenVoice 200\* – don't 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. During working hours the "announcement before answering" function allows you to greet callers on behalf of the company and include a message about your latest product, for 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. It allows users to dial numbers from the phonebook via the web browser on their PC, and check and man-

age their voice mailbox – but it also does much more. For example, OpenCTI 50 can also send text messages to system phones – very useful when you're in a meeting, for example, and need to notify someone of an important call you're 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.

## 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 five 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 conversation software.

## OpenCompany 45\*

If an Aastra 800 is deployed for a group of companies or in shared offices, OpenCompany 45 enables you to keep the communications and costs incurred by up to five different user groups separate from each other. This separation covers the outside lines, call distribution, the 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 all the companies can use.

## OpenCount 100\*

OpenCount 100 centrally records all call data (6000 data records), and provides clear, 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. The numerous professional functions include check-in / check-out, room status, wake-up service, call recording with OpenCount 100 and message waiting on system phones or suitable analogue telephone.

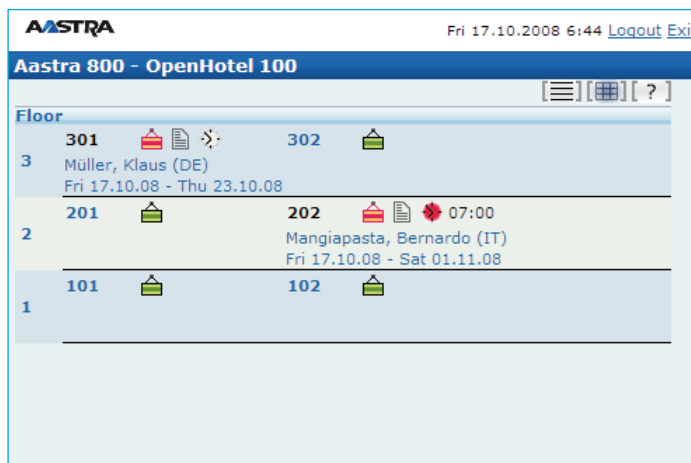
## OpenHotel 20

Your system telephone can provide you with an overview of the room 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.

Connection licences



## OpenLine SIP 2

The OpenLine SIP 2 licence activates two IP connections via SIP. Multiple activation is possible up to the number of gateway channels present. The lines (SIP, ISDN or analogue) are either seized automatically using the LCR feature or the phonebook, or seized manually using an exchange code digit.

## OpenLine QSIG-IP 1

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

## Additional connection licences

- Aastra800Access 677xip for IP system phones (Aastra 677xip)
- Aastra800Access 675xi for Aastra SIP phones (Aastra 675xi)
- OpenAccess SIP 101 for SIP phones from other manufacturers
- OpenSoftphone 100 (for 2, 4, 8 or 16 softphones)

\* 3 licences each for Aastra 677xip system phones, Aastra 675xi SIP phones and SIP phones from other manufacturers and a SIP trunk are included.

- Activate / deactivate Internet access
- Advice of charge
- Allocation
- Announcements (group and individual announcements) to terminals in the Aastra 677xip range and OpenPhone 2x
- Announcement protection
- Answering machine *see voicebox*
- AOCD / AOCE: advice of charge during and at the end of the call<sup>1)</sup>
- Associated dialling (pre-dialling for other devices, e.g. DECT headsets, from system terminals)<sup>2)</sup>
- At the end of the call
- Authorisation switching
- AutoAttendant (interactive call management) with OpenAttendant 205
  - Up to 5 parallel AutoAttendant systems
  - 500 actions (12 actions per menu (0–9, \*, #))
  - 50 menus with multiple uses
  - Menus can be nested as required
  - 300 audio files
  - 20 channels
  - Actions only performed after PIN entry, e.g. code-protected call forwarding to GSM or private telephone number
- Automatic call connection (internal and/or external calls)
- Automatic dialling (call made without dialling, also known as a “baby call”)
- Automatic seizure of an external line can be configured
- Baby call
- Barring (blacklists, whitelists and lists of filters) programmable for user groups
  - Blacklists for outgoing calls
  - Special numbers for emergency calls also programmable
  - Lists of filters for barring incoming calls
  - Whitelist
  - 1000 entries per list
- Batch *see function keys*
- Booking number
  - Input prior to the call
  - Input during the call
  - Change during the call
- Busy indicator for trunk groups / routes
- Busy keys
- Busy on busy
- Call-back on busy, internal and external
- Call-back on no reply
- Call charge factor can be set per user group
- Call charge factor can be set per user group
- Call data can be read out on another system phone
- Call data recording and evaluation with OpenCount 100
  - Saves up to 6000 call data records
  - Data can be viewed, printed and exported
  - Export as a csv file (also compressed as a zip file)
- Concluding digits in telephone numbers can be suppressed for call data recording (data privacy)
- Call data record lists beginning of call, duration, units, amount, internal, external, master numbers, booking numbers (personnel numbers for projects), users, firms, network operators, type of call (private / business), type of service (telephone / fax / data), direction (incoming / outgoing / both), type of set-up (direct / forwarded / connected), connection, route
- Telephone numbers stored in different forms for business / personal calls (complete / last digits suppressed) for data protection (e.g. government agencies)
- Call deflection
- Call forwarding unconditional, after a set time, on busy, separate for internal and external calls
  - For MSN groups (nine MSN groups can be configured)
  - Delete all call forwarding destinations
- Call forwarding (unconditional, on busy, on no reply)
- Call holding
- Call lists (accepted calls, missed calls, busy)
  - Entry in call list when accepted by answering machine or voicemail
  - Entry in call list without its telephone number
- Call pick-up from an answering machine
- Call pick-up (pick-up groups or selective pick-up)
- Call queue
- Call variants *see time groups*
- Call waiting
  - Signal waiting call
  - Reject waiting call
  - Accept waiting call
  - Call-waiting protection
- Calls can be parked / unparked in positions “0” to “9”, also on standard phones
- CCNR per keypad in the exchange
- Central phonebook (speed dialling) (2000 destinations with three telephone numbers each), individual and per company
  - With decentralised administration rights
  - One default number can be configured per name
  - CLIP/CLIR when a call is dialled can be configured for each name
- CFB, CFNR, CFU
- Chains *see function keys*
- Check-in, check-out *see hotel function*
- CLIP-dependent call forwarding
- CLIP-dependent call forwarding to certain destinations
- CLIP no screening, display a different number<sup>1)</sup> on a system connection
- Codes for system features on standard terminals
- Computer-supported telephony (CTI), TAPI 2.1, CSTA and browser (OpenCTI 50)
- Configurable external line seizure
- Configuration using a web browser; remote configuration also possible
- Copying of system phones, including key assignments and labels
- CSTA interface to existing applications (e.g. hotel software)
- Day / night line *see time groups*
- Deactivation of the user interface (applies to the system menus; terminal menus remain unaffected)
  - of the phonebook
  - of key programming
  - Automatic external line seizure
  - Default / expert programming modes
- DECT over IP®, connection of DECT base stations via IP with handover
- DECT system telephones
- DHCP functions can be used by Windows
- Disconnect
- Disconnect an active ISP connection
- Disconnect from enquiry call
- E-mail notification in the event of a malfunction *see also voice mailbox*
- E-mail notification (header is displayed on system phone)
- Emergency call function, emergency call with priority and dropping of active call if required. Emergency numbers can be edited
- Enquiry calls
- External call authorisation (5 levels)
- External line access authorisation (five levels)
- External music on hold (MoH)
- Entries from call list are copied to phonebook
- Entries from redial list are copied to phonebook
- Follow me (PIN-protected)
- Forwarding of external subscribers via code
- Forward MSN and MSN group
- Function keys on system phone with 5-way assignment (chain, batch)
- Handover of non-dialled trunk line
- Hot-desking, application of a user interface on the Aastra 677xip
- Hotel functions with OpenHotel 20 and OpenHotel 100
  - Check-in, check-out including authorisation switching
  - Wake-up calls
  - Change language of room system telephones on check-in
  - Ascertain room status (free, occupied, to be cleaned) via a system phone (room key) or web browser (OpenHotel 100)
  - Retrieve call charges on system phones
  - Record call data if OpenCount 100 has been implemented
  - Export the call data to an HTML document (OpenHotel 100)

- Overview of rooms on reception PC, including room number, status, name of guest, language of guest / system phone in room, symbol for activated wake-up call, symbol for note / message-waiting indicator, period of occupancy (check-in / check-out date) (OpenHotel 100)
- Function key on system phone for wake-up calls
- Voicemail and last number redial are deleted on check-out
- Hunt groups (cyclic, linear, statistical, parallel)
  - Exclusion from a hunt group
- Intelligent routing using LCR/ARS, phonebook or routing code digit
- Internal ISDN with direct dialling and ECT – ideal for Unified Messaging Systems (UMS)<sup>2</sup>
- Internal music on hold (MoH) can be individually loaded (up to 80 seconds)
- Internal traffic can be individually barred with CLIP-dependent call forwarding
- Internet telephony (SIP telephony) in conjunction with an OpenLine SIP 2 licence
- Keypad dialling
- Least Cost Routing (LCR) and Automatic Route Selection (ARS) can be deactivated
- Line keys (>> two per Aastra 677xip)
- Manager / secretary feature
- MCID (malicious call identification)
- Mixed mode of operation (system connection / multi-terminal connection / SIP exchange)
- Multi-company variant with OpenCompany 45
  - Up to five companies can be configured
  - Separate phonebooks at three levels:
    - Central phonebook with the telephone numbers common to all companies
    - Company-specific phonebook
    - Private phonebook for every member of staff
- External line seizure using “0” can be set for each company
- Individual attendant terminals (for each company) or a shared attendant terminal for all of the companies can be specified
- Separate call data recording can be configured for each company (OpenCount 100 option)
- Assignment of the NTBA / trunk group / route, user group and phonebook to a company
- If OpenCTI 50 is deployed, then only the subscribers in one’s own company are visible in the busy indicator
- Networking using QSIG via tie lines, VPN and IP
- Night line *see time groups*
- Parking / terminal portability on S<sub>0</sub>-Bus
- Partial re-routing on system connection<sup>1</sup>
- Pick-up group
- Pick-up notification
- Pick-up protection
- PIN-protected dialling
- Post-dialling
- Pre-announcement feature in OpenVoice 200
- Preferred number can be configured in the phonebook
- QSIG over IP also with OpenCom 100 and OpenCom 1000
- Read network mask on system phone
- Read system IP address on system phone
- Recall
- Redial list per terminal and line
- Remote control (changing of call forwarding, dialling)
- Remote maintenance including error log readout
- Remote servicing (e.g. with a session key),
- Remote software download. Also possible for system phones and RFPs,
- Restart system from a system phone (PIN-protected)
- Route programming
- Reject call
- Selective pick-up
- Send text messages (60 characters) to and between system phones (groups or individual terminals)
- Separate call protection for internal and external calls
- Serial system function
- Service indicator can be configured for each analogue phone
- SIP *see also Internet telephony*
  - SIP trunk line can be selected using LCR/ARS, phonebook or trunk group
  - Internal SIP devices
- SMS via landline on analogue or S<sub>0</sub> connection<sup>1,2</sup>
- SNTP server (time server – synchronises the time on all PCs connected to the network)
- Special allocation
- Speed dialling (100 or 1000 destinations)
- Switchover between variants (day / night line / other variants)
- TAPI 2.1 Microsoft (64 lines / calls / with all system phones – also DECT, analogue, DECT-GAP, SIP (2009) – but not ISDN/DSS1). Not a multi-line TAPI
- Team functions
- Team keys
- Telephone lock and access codes
- Telephone number display can be separately suppressed for internal and external calls as well as for phonebook entries
- Telephone number display on CLIP / CLIR<sup>1,3</sup> analogue phones
- Telephone number displayed on team key
- Telephone number mapping
- Telephone number plan for one- to five-digit numbers. Mixed mode also possible.
- Three-party conferences
- Time groups (day / night service), ten call variants can be programmed, manual and automatic switchover (after a specific time), ten switchover points per weekday
- Toggling
- Transfer second call
- Trunk groups, routes (can also be selected using LCR/ARS)
- VIP call with special call signalling
- Virtual telephone numbers
- Voicebox integrated with OpenVoice 200, equipped with 200 channels and pre-announcement feature
  - Up to 200 voice boxes possible
  - 20 parallel voice channels
  - Group boxes with up to 20 subscribers
  - Softkey can be set for making voicebox queries
  - PIN protection for voice boxes
  - Several welcoming and closing texts can be recorded or selected for each voicebox and automatically controlled by timers
  - Convenient operation with Open CT150 (e.g. loading of welcoming and closing texts from a PC)
  - Notification call when a message has been received on the internal or external telephone number, either immediately or daily at a pre-programmed time with direct query
  - Notification e-mail when message has been received with message in attachment
  - Acoustic menu guide in English, French, German, Dutch, Spanish, Italian and Swedish
  - Eight different texts for pre-announcements for different groups / MSNs
  - Time stamp with an announcement
  - Signalling by means of an info LED (on Aastra 677xip, OpenPhone 26, 27), tape symbol (OpenPhone 26, 27, 28) or special dialling tone (ISDN, analogue terminal), symbols on Aastra SIP phones
  - MWI on ISDN and analogue terminals EG<sup>2</sup>
  - Mark message as “new” once listened to
- Voice over IP using IP system phones or DECToverIP® base stations
- Wake-up / appointment call with date
- WLAN-SIP terminals can be checked in (e.g. Aastra Phone 312w, Nokia N80)

<sup>1</sup> If provided by the network operator

<sup>2</sup> Depends on the gateway used

<sup>3</sup> Limited if SIP and analogue terminal are used

# An overview of the corded terminals available



Aastra 6751i  
SIP phone



Aastra 6753i  
SIP phone



Aastra 6755i  
SIP phone



Aastra 6757i  
SIP phone

Features	Features	Features	Features
Max. 1 line	Max. 9 lines	Max. 9 lines	Max. 9 lines
-	3 fixed line keys	4 fixed line keys	4 fixed line keys
-	6 configurable keys with LEDs	6 configurable keys with LEDs	-
-	-	6 configurable keys, 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
11 fixed function keys plus 4-way navigation	8 fixed function keys plus 4-way navigation	8 fixed function keys plus 4-way navigation	8 fixed function keys plus 4-way navigation
Scroll key	Scroll key	Scroll key	Scroll key
3-line display with 16 characters	3-line display with 16 characters	Graphic display with 144 x 75 pixels, backlit <sup>2</sup>	Graphic display with 144 x 128 pixels, backlit <sup>2</sup>
Adjustable to four different heights by means of snap-in feet	Adjustable to four different heights by means of snap-in feet	Adjustable to four different heights by means of snap-in feet	Adjustable to four different heights by means of snap-in feet
Can be wall-mounted	Can be wall-mounted	Can be wall-mounted	Can be wall-mounted
	Can be extended with up to three M670i	Can be extended with up to three M670i and M675i	Can be extended with up to three M670i and M675i
Ethernet switch for 1 PC	Headset connection (RJ-11) and Ethernet switch for 1 PC	Headset connection (RJ-11) and Ethernet switch for 1 PC	Headset connection (RJ-11) and Ethernet switch for 1 PC
Power is supplied by Power over Ethernet (IEEE 802.2af, class 3) or optional adapter	Power is supplied by Power over Ethernet (IEEE 802.2af, class 3) or adapter	Power is supplied by Power over Ethernet (IEEE 802.2af, class 3) or adapter	Power is supplied by Power over Ethernet (IEEE 802.2af, class 3) or adapter
Features	Features	Features	Features
XMI browser	XML browser	XML browser	XML browser
Loudspeaker and hands-free operation	Loudspeaker and hands-free operation	Loudspeaker and hands-free operation	Loudspeaker and hands-free operation
Muting function	Muting function	Muting function	Muting function
	Busy indicator	Busy indicator	Busy indicator
Call list with date and time of call	Call list with date and time of call	Call list with date and time of call	Call list with date and time of call
LEDs for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)	LEDs for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)	LEDs for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)	LEDs for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)
Dimensions: (W x H x D): 235 x 208 x 46 mm	Dimensions: (W x H x D): 235 x 208 x 46 mm	Dimensions: (W x H x D): 235 x 208 x 46 mm	Dimensions: (W x H x D): 235 x 208 x 46 mm
Colour: Black	Colour: Black	Colour: Black	Colour: Black

<sup>1</sup>Also available with key modules

<sup>2</sup>Can be set to "always on", "always off" and "automatic"

<sup>3</sup>"Automatic"

<sup>4</sup>Wireless headset: This interface also allows you to take and terminate calls with a suitable wireless headset.



**Aastra 6773ip  
IP system phone**



**Aastra 6775ip  
IP system phone**



**Aastra 2770ip  
Softphone**

Features	Features
Max. 8 lines <sup>1</sup>	Max. 9 lines <sup>1</sup>
-	-
5 configurable keys with LEDs	-
3 configurable keys, labelled in the display, with LEDs	9 configurable keys, labelled in the display, with LEDs
10 fixed function keys plus 4-way navigation	10 fixed function keys plus 4-way navigation
Scroll key	Scroll key
Graphic display with 144 x 48 pixels,	Graphic display with 144 x 128 pixels, backlit <sup>3</sup>
Adjustable to four different heights by means of snap-in feet	Adjustable to four different heights by means of snap-in feet
Can be wall-mounted	Can be wall-mounted
Can be extended with up to three M671	Can be extended with up to three M671 or M676
Headset <sup>4</sup> connection (RJ-45) and Ethernet switch for 1 PC	Headset <sup>4</sup> connection (RJ-45) and Ethernet switch for 1 PC
Power is supplied by Power over Ethernet (IEEE 802.2af, class 3) or optional adapter	Power is supplied by Power over Ethernet (IEEE 802.2af, class 3) or optional adapter
Features	Features
-	-
Variable menu structure depending on call state	Variable menu structure depending on call state
Loudspeaker and hands-free operation	Loudspeaker and hands-free operation
Muting function	Muting function
Busy indicator	Busy indicator
Call list with date and time of call	Call list with date and time of call
LEDs for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)	LEDs for indicating call-switching states (call protection, call forwarding) and additional information (e.g. message waiting or e-mail)
Sending and receipt of text messages	Sending and receipt of text messages
Dimensions: (W x H x D): 235 x 208 x 46 mm	Dimensions: (W x H x D): 235 x 208 x 46 mm
Colour: Black	Colour: Black

Features
PC interface either Aastra 6773ip or Aastra 6775ip
Interface design for use in conjunction with skins (interface can be changed by downloading skins)
Features
As for Aastra 677xip, plus:
Recording function for conversations
PC answering machine
Free seating/roaming user



# An overview of cordless terminals



**OpenPhone 26**  
DECT system telephone



**OpenPhone 27**  
DECT system telephone



**OpenPhone 28**  
DECT system telephone



**Aastra 312w**  
WLAN SIP telephone

Equipment	Equipment	Equipment	Equipment
2 Softkeys	2 Softkeys Illuminated keypad	2 Softkeys	2 Softkeys Illuminated keypad
4 function keys assigned permanently	4 function keys assigned permanently	5 function keys assigned permanently	4 function keys assigned permanently
Scroll key	Scroll key	Scroll key	Scroll key
3- line graphic display 96×33 Pixel, backlit	5- line graphic display 96×60 Pixel, backlit	5- line graphic display 120×96 Pixel, backlit	Colour graphic display (1,8", 128×160 Pixel, 65536 colours), backlit
	USB connection		
DECT interface with system functionalit	DECT interface with system functionalit	DECT interface with system functionalit	WLAN interface (IEEE 802.11b/g)
	Headset connection	Headset connection	Headset connection
10 ring tones adjustable	30 ring tones adjustable	30 ring tones adjustable	30 ring tones adjustable
	Vibration alarm	Vibration alarm	Vibration alarm
Belt clip available as option	Belt clip	integrated belt clip	Belt clip
	MEM Card (for phone book with 100 entries and device-specific data)	MEM Card (for phone book with 100 entries and device-specific data)	MEM Card (for phone book with 100 entries and device-specific data)
Weight: approx. 138 g	Weight: approx. 138 g	Weight: approx. 117 g	Weight: approx. 144 g
Standby: 200 hours	Standby: 140 hours	Standby: 75 hours	Standby: up to 50 hours
Call time: 20 hours	Call time: 14 hours	Call time: 8 hours	Call time: up to 6 hours
Battery: NiMH-storage batteries (AAA)	Battery: NiMH-storage batteries (AAA)	Battery pack (NiMH)	Lithium polymer battery pack
Charging time: max. 6 hours for empty batteries	Charging time: max. 6 hours for empty batteries	Charging time: max. 7 hours for empty batteries	
Features	Features	Features	Features
Menu card function	Menu card function	Menu card function	5 WLAN configurable profiles
Variable menu structure depending on call state	Variable menu structure depending on call state	Variable menu structure depending on call state	5 SIP configurable accounts
Volume adjustable (handset, loudspeaker, ringing tone)	Volume adjustable (handset, loudspeaker, ringing tone)	Volume adjustable (handset, loudspeaker, ringing tone)	Volume adjustable (handset, loudspeaker, ringing tone)
Loudspeaker	Hands-free operation (key with red LED)	Hands-free operation	Hands-free operation (key with red LED)
Muting function	Muting function	Muting function	Muting function
Pre-dialling, Redial	Pre-dialling, Redial	Pre-dialling, Redial	Pre-dialling, Redial
SOS button	SOS button	SOS button and "man down" feature	Codecs: G.711, G.729
Call list with date and time of call	Call list with date and time of call	Call list with date and time of call	Call list with date and time of call
Toolbar for indicating call-switching states (call protection, call forwarding) and additional information (e.g. Message Waiting or e-mail signalling)	Toolbar for indicating call-switching states (call protection, call forwarding) and additional information (e.g. Message Waiting or e-mail signalling)	Toolbar for indicating call-switching states (call protection, call forwarding) and additional information (e.g. Message Waiting or e-mail signalling)	Software update over Air (http, FTP, TFTP); Diagnostic tools (ping, site survey, traceroute, sys-log, ...); WLAN energy-saver modes for voice (None, Auto, U-APSD, Async. Poll, 802.11 Poll); QoS: WME / 802.11e prioritisation; safety: WEP, WPA1-PSK, WPA2-PSK
Receipt of text messages	Receipt of text messages	Receipt of text messages	Time and date via NTP server
Handset dimensions: (W×H×D): 146×55×28 mm	Handset dimensions: (W×H×D): 146×55×28 mm	Handset dimensions: (W×H×D): 138×47×21 mm	Handset dimensions: (W×H×D): 146×50×28 mm
Colour: Black/silver metallic	Colour: Black/silver metallic	Protection category: IP 54	Colour: silver metallic/charcoal grey
	Colour: Black/silver metallic	Colour: black/silver	



DECToverIP® base station  
RFP 32 IP (Indoor)



DECToverIP® base station  
RFP 34 IP (Outdoor)



DECToverIP® base station  
und WLAN-Access-Point  
RFP 42 WLAN

Equipment	Equipment	Equipment
Radio standard: DECT Network standard: TCP-IP	Radio standard DECT Network standard: TCP-IP	Radio standard DECT WLAN (IEEE 802.11 b and g) Network standard: TCP-IP
Features	Features	Features
Voice transmission	Voice transmission	Voice and data transmission
-	-	Data transmission via air interface
Access via Ethernet LAN with TCP-IP on OpenCom 100	Access via Ethernet LAN with TCP-IP on OpenCom 100	Access via Ethernet LAN with TCP-IP on OpenCom 100
8 simultaneous call connections	8 simultaneous call connections	8 simultaneous call connections
Power supply: Power over Ethernet or alternatively plug-in power adapter	Power supply: Power over Ethernet	Power supply: Power over Ethernet or alternatively plug-in power adapter
Sync-over-Air	Sync-over-Air	Sync-over-Air
Cable length similar to Ethernet standard	Cable length similar to Ethernet standard	Cable length similar to Ethernet standard
Display of operating state by LEDs		Display of operating state by LEDs
Can be wall-mounted	Wall mountable, mast mountable	Can be wall-mounted
Integrated non-directional antenna	May use a dipole antenna or a directional antenna	With integrated non-directional antenna for DECT and external dipole antenna for WLAN
Dimensions (W×H×D): 195×200×30 mm	Dimensions (W×H×D): 240×236,5×65 mm	Dimensions (W×H×D): 195×200×30 mm
Protection category: IP 20	Protection category: IP 65	Protection category: IP 20
Colour: Steel grey	Colour: Steel grey	Colour: Steel grey

## Aastra 800 – System requirements

### Operating System

- Microsoft Windows XP™ (SP2 or SP3)
- Microsoft Windows Server 2003™ – soon possible

### Processor

- Intel Pentium 4, Intel Centrino, Intel Xeon or Intel Core™ Duo or other compatible processor (>1GHz)

### Main memory

- Required: 1 GB RAM

### Disk space

- A Flash card can also be used as storage medium. For the storage of the Voice Mail data a „fast“ Flash card has to be used. Min. 10 MB/s writing and reading.
- Required: 4 GB free

### Other hardware

- Required: a network card 100 Mbps
- Recommended: two network cards for separating LAN and WAN



# Aastra 800

Your Aastra Partner

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[www.aastra.com](http://www.aastra.com)

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