

Aastra 5000

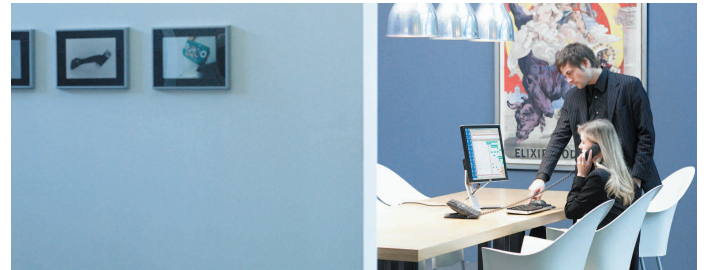
Enter the world of Full IP

A5000



The communication software **Aastra 5000**, which emerged from several years of Research & Development efforts, is outstanding due to its **full IP** character, its **strong openness to market standards** (SIP, LDAP, Linux), an **unequaled networking capacity** and **reinforced system security**.

Aastra 5000 is meant for users of **huge systems with 500 to over 150,000 subscribers**.



Strong points of Aastra 5000

- Aastra 5000 is an **open** standards-based system and, thus, an **IP telephony application fully integrated into the information system**.
- **Natively IP and SIP-oriented**, Aastra 5000 is compatible with any terminal type: Aastra IP, SIP, video SIP, H323, IP DECT, Wi-Fi SIP or GSM/Wi-Fi, SIP or Aastra softphones. The Aastra 5000 software can interface with analogue and digital terminals, or traditional DECT sets via **Aastra X series** gateways.
- Aastra 5000 has a **SIP Trunk interface** that enables connection to Voice over IP providers.
- Thanks to its **networking** capacity, Aastra 5000 can manage up to **150,000 subscribers and 2,000 sites**.
- System **administration** is performed remotely using a simple web browser. Secure and ergonomic, it is standards-based: **https** for secure access, **LDAP** for the integrated directory which can be synchronised with a company directory, and **SNMP** for system supervision.
- **Security** is guaranteed at several levels. For critical subscribers, the software allows call **encryption**, without additional hardware. If necessary, the server is protected through space **duplication** (using a second local or remote server), with **automatic switchover** in case of problem, without interrupting ongoing calls.
- The **quality of IP calls** is enhanced by the use of a **direct voice architecture** (end-to-end voice over IP), **flow prioritisation**, and **dynamic adaptation** to the IP network occupation status.
- Aastra 5000 is also one of the most comprehensive software applications on the market, with **over 500 functions**.

Aastra 5000 is available in **software version** on PC servers for full IP operations. Each server hosts up to 15,000 IP subscribers.

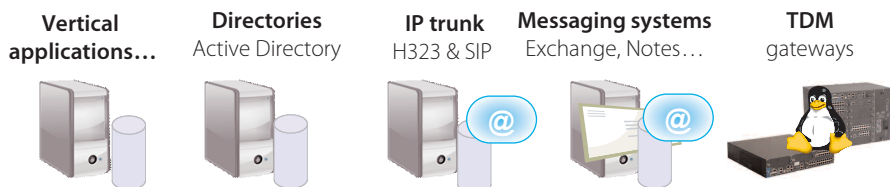
Aastra 5000 capacities (per server)

IP terminals	15 000	Size of directory (in number of records)	200 000
Simultaneous calls	2 000	IP terminals with CTI supervision	15 000
Calls per hour	57 000	Number of companies (for multi-company use)	256

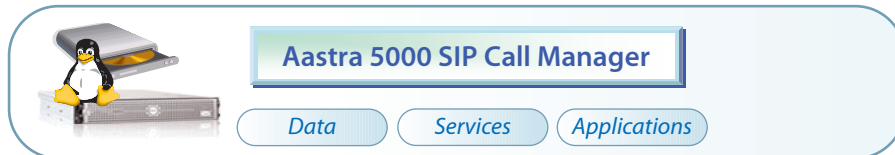
Standard interfaces of the Aastra 5000 software

Sets	SIP H.323	Network	SIP Trunk / H.323 Trunk ISDN QSIG Close to 100 signalling
Mobility	IP DECT Wi-Fi 802.11	Information system	LDAP directory DHCP configuration FTP/TFTP update NTP time setting SNMP MIB and traps
Security	Web https administration MD5 authentication SRTP – AES encryption	Quality of Service	G.711, G.729A, G.723.1 VLAN, 802.1p/q prioritisation DiffServ prioritisation
CTI and voice applications	XML CSTA TAPI SIP		

Aastra 5000 – Call Processing



A call processing server open to all corporate resources...



... and providing services for all users



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