Aastra X Series

Your multimedia communication server

Open standards, performance, flexibility and security are the foundations of the Aastra X Series range.

Consisting of AXS, AXL and AXD, this range meets two configuration types:

✦ For independent and standalone architectures, the AXS, AXL and AXD are used as all-in-one communication servers.

✦ For networking and centralisation needs, IP call processing is centralised in Aastra 5000, whereas AXS, AXL or AXD serve as media gateways and local backup in case of a network failure.

Aastra offers modular VoIP systems capable of adapting to all site sizes and configurations.

Aastra XD

Benefits of Aastra X Series range

✦ **Multimedia unified communications** solution: voice, video and fax.

✦ **Enhanced terminals:**
  • HD Aastra BluStar™ 8000i multimedia terminal
  • Aastra BluStar™ Client softphone
  • Aastra 6700i SIP range
  • Aastra 5300ip IP terminals
  • Aastra 600d DECT over IP
  • WLAN Aastra 320w terminal

✦ **Embedded SIP interface,** for voice and video terminals, applications and carriers access.

✦ **Calls from your PC** with the Click to Call Aastra 5000 Dialer application.

✦ **Unified messaging:** voice messages may be managed from the e-mail system.

✦ **Five simultaneous languages** for multilingual users.

* For digital sets

✦ **OpenLDAP directory,** synchronisable with a company directory: Microsoft Active Directory, LDAP or any other directory.

✦ **Management portal:** in standalone mode, all Aastra X Series management and administration applications are integrated into this web portal.

✦ **DHCP, FTP and NTP integrated servers** which automate configuration and update IP DECT sets and base stations.

✦ **Linux operating system** making it possible to integrate market standards.

✦ Numerous interfaces for **third party applications integration** as well as in your company's Information System (SIP, CSTA, XML, SNMP, etc.).

✦ **Over 500 telephony functions** that meet your needs: integrated voicemail, interactive voice response, automatic call distribution (ACD), answering hunt group management, etc.

Aastra XL

Aastra XS / Aastra XS12

Aastra XS6

A Green solution:

✦ Low-power consumption
✦ Power saving mode*

Simplified Administration

All administration functions are embedded into Aastra X Series range. System management is made via a secure web interface (https protocol).

This web portal includes:

✶ Installation and configuration functions: LDAP directory, voicemail, IVR, DHCP and FTP servers for terminals, etc.

✶ Configuration management: software and hardware inventory (including terminals), update, software and configuration backup/restore, as well as user, terminals and programmable keys management, etc.

✶ Security management: user rights, operator account and profile, key management.

✶ Anomaly management: alarm filtering and routing, log, SNMP traps, etc.

✶ Performance management: services status, software and hardware resources status.

Reinforced Security

Integrity and security of Aastra X Series are enhanced through compliance with industry standards and the all-in-one integration offered by Aastra 5000:

✶ Service continuity guaranteed via server redundancy.

✶ Hardware redundancy for Aastra XD.

✶ LAN access redundancy.

✶ IP terminals secured through the dual homing function.

✶ Security guaranteed through user authentication and call encryption (voice and signalling).

Aastra X Series Capacities*

	AXS6	AXS12	AXS	AXL	AXD
Subscribers	100	500	500	1000	1000
IP/SIP sets	50	500	500	500	500
Analogue sets	36	56	104	640	704
Digital sets	34	52	104	512	512
Max traditional sets	38	60	112	640	704
Messaging system access	8	8	8	8	8
IP channels	160	160	160	256	256
DECT base stations	8	8	8	40	40
IP DECT base stations	256	256	256	256	256
Analogue trunk lines	4	4	8	20	20
Analogue trunk	4	4	8	24	24
T0	6	8	14	24	24
T2/S2	0/1	0/1	2	6	6

Recommended but not simultaneous maximum capacities

Main Aastra X Series Functions

Applications	· Voice service interfaces (IVR, unified messaging) · Click to Call (Dialer) · Computer Telephony Integration (CSTA, TAPI or VTI-XML) · Hotel/hospital services, check-in /check-out, shared phones
Greeting services	· Attendant console · Advanced Call Distribution - ACD · Telephone hunt groups · Overflow, assistance
Mobility and Security	· User login (free seating) · DECT/IP or WiFi handover · User authentication · User rights management · Call encryption (voice and signalling)
Presence and One Number	· Telephone presence management · Associated sets (one number)
Simple Calls	· Emergency call · Call by name · Name transmission and display · Number transmission and display · Restriction of number display
Complex Calls	· Call on hold, alternate · Transfer, 3-way conference call · All forwarding types · Automatic call-back · Multi-line · Multi-key, manager key · Intercom, hunt group management · Manager / assistant filtering · Vocal guides
Network	· IP or TDM networking · Least Cost Routing · SIP, ISDN, analogue, QSIG signalling · SIP Trunk certification with main carriers · E164 numbers and IP addresses translation · Flexible homogeneous numbering plan
Quality of Service	· High audio quality · VLAN, QoS 802.1p/q, DiffServ prioritisation · Call Admission Control · G.722, G.711, G.729, G.723
Service Continuity	· Server duplication, cluster · Dual homing · Backup and overflow on ISDN · Call sustaining
Administration and Information system	· Integrated web portal for administration · LDAP phone directory · Call tickets for traffic and charging analysis · Multi-company (resources sharing) · DHCP server for IP terminals and IP base station configuration · FTP server for updating IP terminals and IP base stations · NTP server for IP phone time synchronisation · SNMP MIB and traps
Power saving	· Low-power consumption · Power saving mode for digital sets

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