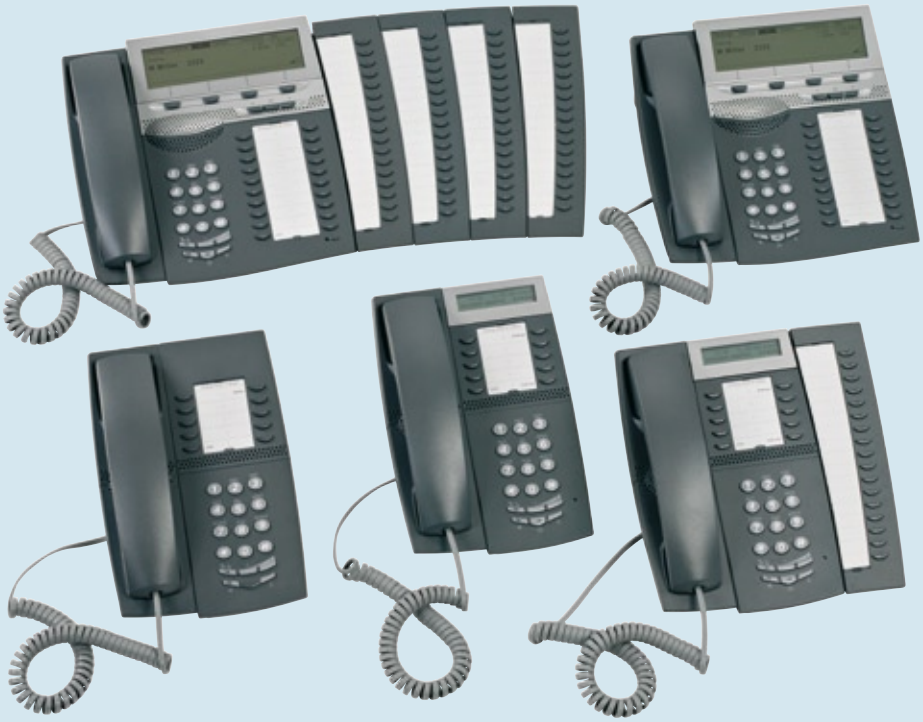


Aastra Dialog 4000 IP telephones

» High-performance telephones for your business

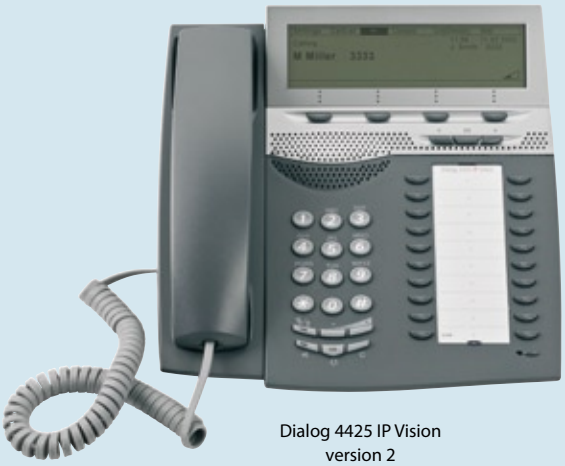
Dialog 4000 IP telephones are IP telephones that harness the combined power of customers' existing data networks and Aastra communications systems. Elegant and sophisticated, the Dialog 4000 IP is the intelligent solution for simplified, cost-effective migration to the world of IP telephony.

Remote upgrading of configurations or software from a central location simplifies operation and maintenance. Regardless of location, the IP telephones are kept constantly up to date with the most current software and ready to receive new technical enhancements.

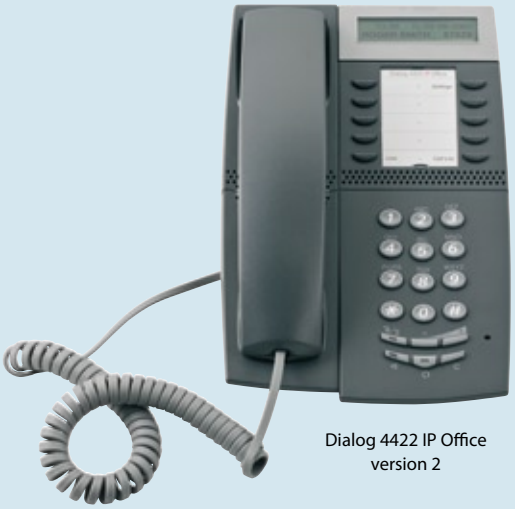
Dialog 4000 IP telephones comply with all existing standard requirements, as well as the latest environmental and safety regulations.

Dialog 4000 IP telephones have a number of advanced security and safety features. Ease-of-use and ease-of-maintenance are focus areas for new IP platform development and will continue to be so in future feature enhancements.

AASTRA



Dialog 4425 IP Vision
version 2



Dialog 4422 IP Office
version 2

Features

- Easy migration to IP telephony
- Elegant design and superior ergonomics
- Compliance with environmental standards
- Easy operation and maintenance
- User mobility (free seating)

Models

- Dialog 4420 IP Basic
- Dialog 4422 IP Office
- Dialog 4425 IP Vision

Excellent Voice Quality and Telephony Services

- Support for Aastra MX-ONE™, BusinessPhone, and MD Evolution telephony systems
- Speaker for monitoring calls and listening to telephony services (for example, interactive voice systems, news and weather forecasts)
- Equipped with hearing aid support and acoustic shock protection
- Quality of service (QoS): Packet prioritization for speech and signaling according to DiffServ. Layer 2 QoS

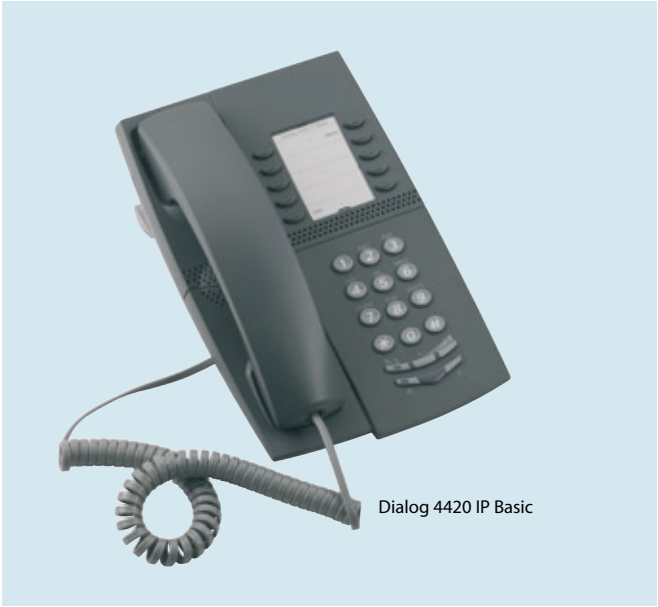
Telephony System	Minimum Requirements
Aastra MX-ONE™	Telephony Server 2.0 or Telephony Switch
Aastra BusinessPhone*	Version 7.0
Aastra MD Evolution/EBN	Version 8.0 c

* Aastra BusinessPhone only supports Dialog 4422 and Dialog 4425.

Call Features	
Emergency call support	●
Fixed number assignment	●
Monitor speaker	●
Mute function	●
Volume control	●
Programmable ringtones (max. volume >72dBA)	10
Speed dialing	●
Increased volume for users with impaired hearing	●
Acoustic shock protection: ETS 300 245-2	●

VoIP Features	
DHCP*	●
RTP, IETF RCF 3550t	●
Quality of Service, IEEE 802.1p&q and DiffServ	●
VLAN support IEEE 802.1p&q	●
Support for codecs G.711 PLC, G.729a, G.729ab, G.723.1	●
H.323 V4	●
Branch office survivability support	●
SIP support	●
Support for encrypted media stream (SRTP)	●

* Dialog 4420 IP Basic requires DHCP. Fixed IP address is not supported on this specific model.



Dialog 4420 IP Basic

Dialog 4420 IP Basic is positioned as an entry-level IP telephone, primarily intended for use in non-communications-intensive areas such as office reception areas, general meeting/service areas, manufacturing and retail shop floors.

Dialog 4422 IP Office is a mid-range IP telephone, offering the functionality needed for users working in high-efficiency business environments. It is also well-suited as a convenience phone in public/service areas.

Dialog 4425 IP Vision is a high-end IP telephone with advanced features, including multiple line handling and graphical display built to handle all user needs. It can also be used in small conference rooms.

Upgradeable

With third-generation hardware, we are introducing a new IP platform that is preconfigured for further implementation of advanced functions and features, following the natural evolution of IP telephony.

- Support for firmware downloads from web servers – enabling new functionality with future telephony system software releases – making the telephone future-proof
- Support for all major voice compression codecs for bandwidth savings

Up-to-Date

- SIP can be used with the MX-ONE™ Telephony Server. Features (such as callback and conference calls) are initiated in the same way as with analog telephones (suffix dialing).
- Media encrypted with SRTP (Secure Real-Time Transport Protocol) and signaling with TLS (Transport Layer Security)
- Security authentication with RADIUS servers using EAP (Extension Authentication Protocol), IEEE 802.1x.
- PoE (Power over Ethernet), IEEE 802.3af, Power Class 1, which means less than 4W required. This enables centralized power supply with the associated capability for power supply back-up.
- Compliant with the EU directive for RoHS (Restriction of Hazardous Substances).

Product features Aastra Dialog IP telephones	4420 IP Basic	4422 IP Office version 2	4425 IP Vision version 2
Dimensions (HxWxL)	92x159x230 mm	92x159x230 mm	102x240x234 mm
Function keys with LEDs	12	13	23
Programmable keys	7	7	17
Support for extra key panel with 17 keys	–	1	Call list
User mobility: Logon and calls	–	●	●
Hands-free speaker, full duplex/AEC	–	●	●
Headset port and key	–	●	●
Programmable ringtones	●	●	●
Option unit with support for extra bell or busy signals	–	●	●
Call list	–	●	●
Contacts (up to 1000)	–	●	●
Graphic display, LCD	–	128x25 pixel	320x80 pixel
Adjustable viewing angle	–	●	●
Adjustable contrast	–	●	●
Backlit display	–	–	●
Internet browser	–	–	●
Corporate directory	–	–	●

Common Features

Programmable keys
Function keys with LEDs

Power

Power over Ethernet (PoE), IEEE 802.3af. Power Class 1	48 V DC
Optional power adapter – input – output	100 – 230 V AC 24 V AC
Average consumption using PoE	2 W
Average consumption using power adapter	3 W
Support for AC/AC external power supply	

Special Features

2-port Ethernet switch, 10/100 BaseT/TX (autosense)	
Integrated web server for maintenance	
Colors	Light grey Dark grey
Firmware downloads from web servers	

Accessories

- Telephone toolbox on CD-ROM including Designation Card Manager (DCM) software and user guide/quick reference guide in PDF format: http://www.aastra.com/
- Country-dependant AC/AC power supply unit
- LAN cable
- Option unit supporting busy signal and extra bell
- Key panel with 17 programmable function keys

Environmental Conditions

Operating temperatures	+5° – +45°C
Storage temperatures	+/–0°– +70°C
Relative humidities	5 – 90%

Regulatory Compliance

Acoustic shock protection: ETS 300 245-2
Hearing aid compatibility: ITU-T P.370 (8/96) and FCC; Part 68, Subpart D American
EU RoHS directive 2002/95/EC
More info: www.aastra.com/sdoc

Common Features

RFC	Name	Content
RFC 2327	Session Description Protocol	
RFC 2617	HTTP Authentication: Basic and Digest Authentication	Basic authentication not applicable for SIP
RFC 2833	DTMF	
RFC 2976	SIP INFO	Used for sending DTMF digits and hook flash.
RFC 3261	Session Initiated Protocol	Audio part only. No TCP support
RFC 3263	Locating SIP servers	
RFC 3264	Offer/Answer model in SDP	
RFC 3265	Specific Event Notification	NOTIFY and SUBSCRIBE are Supported
RFC 3455	Private Header Extension for SIP	Compatible with IMS on a basic Level
RFC 3515	Refer method	The part that concerns Replaces Header
RFC 3550	Real Time Transport Protocol	
RFC 3665	SIP Basic Flow Examples	
RFC 3680	Event Package for Registration	
RFC 3725	Third party call control in SIP	
RFC 3842	Event Package to Carry Message Waiting Status	
RFC 3891	Replaces header	
RFC 4028	Session timers in SIP	
RFC 4568	Session Description Protocol (SDP) Security Descriptions for Media Streams	

Service and Support

If you need technical assistance, please contact your local Aastra service partner. A list of certified service partners can be found at www.aastra.com

Recycling

Aastra Dialog 4000 IP telephones are recyclable. Please contribute to the prevention of waste by sending used equipment to environmentally certified processing facilities.

Aastra ensures environmentally sound handling and recycling of equipment sent to any of our collection points.

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