Aastra Dialog 4000 Digital Telephones

Aastra Dialog 4000 digital telephones combine excellent sound quality and outstanding features with superior ergonomics. Users also benefit from built-in acoustic shock protection and hearing-impaired support.

Environmentally sound design has been a cornerstone in developing the Dialog 4000. All phones support software downloading for remote upgrades and easy maintenance.

The Dialog 4000 generation of telephones leads the way into the future for enterprise communications.

AASTRA

Aastra Dialog 4000 Digital Telephones

Dialog 4220 Lite

This compact, cost-effective model offers all basic functions for office communication needs. The Dialog 4220 Lite is especially designed for users who want traditional telephone functions with good voice quality. It is a robust convenient phone well-suited for visitor or service areas. Like all other Dialog 4000 phones, it can be wall-mounted and features a loudspeaker for voice monitoring.

Dialog 4222 Office

The Dialog 4222 Office is a desktop telephone with full functionality for office communication needs. It is userfriendly and equipped with a hands-free speaking function as well as an integrated headset port and a dedicated headset key. The telephone features a graphical two-row display for relevant information such as the called or calling party's extension number and the time and date. With its "landing gear struts", users can adjust the phone to different lighting situations. Programmable keys enable fast access to specific numbers or services. An extra key panel and an optional unit for external equipment can be easily connected (see "Accessories").

Dialog 4224 Operator*

The Dialog 4224 Operator terminal is a compact and cost-effective alternative for smaller organizations, such as departments or small remote offices. The terminal is the same size as the Dialog 4225 digital telephone with a large, six-row graphical backlit display and a conventional numeric keypad. The keys that are most frequently used have been enlarged. Such ergonomic design combined with advanced operator functionality and ease-of-use, makes this terminal the perfect choice for the small office.

*Not available for the communication system MD Evolution

Dialog 4223 Professional

This multi-featured model supports advanced system functions for professional office users. The Dialog 4223 Professional is ideal for administrative workers and traditional call center (ACD) agents. With its "landing gear struts" and a three-row, adjustable, graphical display, users can adjust the phone for all environments and lighting situations.

Using softkeys, users can easily access the display menu with a number of system features such as a phonebook, call list, diversion, absence reason, etc. Programmable keys enable fast access to specific numbers or services. A high quality, hands-free speaking function offering full duplex and Acoustic Echo Canceling (AEC) makes this phone well-suited for telephone meetings. A headset can be connected directly to the integrated headset port. Toggling between the handset and headset is controlled by a dedicated key. Additionally, up to four extra key panels and an optional unit for external equipment can be easily connected (see "Accessories").

Dialog 4225 Vision

This multi-featured, top-of-the-line model supports advanced system functions. The Dialog 4225 Vision is ideal for demanding and executive office usage. Compared to the

Dialog 4223, this telephone features 10 extra programmable keys and a large, six-row, backlit graphical display with three navigation keys and four softkeys. Using the navigation keys in combination with softkeys, users can easily access a display menu with a number of system features such as a phonebook, call list, diversion, absence reason, etc.

An extra high quality hands-free speaking function offering full duplex and Acoustic Echo Canceling (AEC) makes this phone very well-suited for telephone meetings, as well as for conference calls in small meeting rooms.

A headset can be connected directly to the integrated headset port. Toggling between the handset and headset is controlled by a dedicated key. Additionally, up to four extra key panels and an optional unit for external equipment can be easily connected (see "Accessories").

Product Specifications

System Software Requirements

For Dialog 4220/4222/4223/4225:

– Aastra MX-ONE™ Telephony System (Telephony Switch and Telephony Server V3)

– MD110 BC12

– MD110 BC11 (with reduced functionality and no support for Dialog 4225)

For Dialog 4224 Operator:

– MD110 BC11 or BC12

– Aastra MX-ONE™ Telephony System (Telephony Switch and Telephony Server V3)

System Hardware Requirements

For all Dialog 4000 Digital Telephones:

– Any digital extension board/port with 2B+D features

Firmware download and softkey functionality support requires:

– ELU28/3 R3A board (minimum revision state) or ELU33 board

Line Network

2-wire connection. Maximum line length, type EKKX 2x0.5 mm, 1,000 m

Environmental Ranges

Operation:

Temperature	+5°C – +45°C
Relative humidity storage:	10% - 95%
Temperature	−10°C – +55°C
Relative humidity	10% – 95%

Ringer

Ten levels (maximum volume >72 dBA) and ten different tones. Melodies are programmable (Dialog 4220 does not feature melodies).

Colors

Dialog 4220, 4222, 4223, 4225:
Key panels are available in light colors or dark gray. Dialog 4224 Operator is available in light gray.

Hearing Aid Support
ITU-T P. 370(8/96) and 47 CFR Part 68

Acoustic Shock Protection
ETS 300 245-2

Voice Transmission
ETSI TBR8

Regulatory Compliance
EU/EFTA: R & TTE directive 1999/5/EC
US: FCC part 15 and 68

AU: AS/NZS 3548: 1995, CISPR 22:2002, ACA TS 001:1997, AS/ACIF S004:2001

For more information:
www.aastra.com/sdoc

Power Consumption

Typical value, including power consumption for the necessary part of the telephone system (230V, 75% efficiency)

Dialog 4220	0.50 W
Dialog 4222	0.78 W
Dialog 4223	0.80 W
Dialog 4225/4224	1.18 W
Key panel Unit	0.03 W
Option Unit	0.05 W

Accessories:

• Key panel with 17 extra programmable keys and associated LEDs

• Optional unit with support for busy signal (except Dialog 4224) or external signal, mounts under the telephone

• Pullout leaf kit for number directory

• Line cords

• Wall terminal box

• Designation Card Manager kit including telephone toolbox CD and pre-cut labels

Recycling

All Dialog 4000 digital telephones are recyclable. Please contribute to the prevention of waste by sending used equipment to recycling facilities. Aastra ensures environmentally sound handling and recycling of equipment sent to any one of our collection points.

Highlights of System-Dependent Telephone Features

	Dialog 4220 Lite	Dialog 4222 Office	Dialog 4223 Professional	Dialog 4225 Vision
Absence reason	procedure	procedure	softkey	softkey
Account code	procedure	procedure	softkey	softkey
Automatic Callback	programmable key	programmable key	softkey	softkey
Caller ID	n/a	yes	yes	yes
Call list/Name and number log	n/a	no	yes	yes
Call pickup individual	digit code	digit code	softkey	softkey
Call timer	n/a	no	yes	yes
Call waiting	digit code	digit code	softkey	softkey
Charging information	n/a	no	yes	yes
Choice of language	n/a	procedure	procedure	procedure
Clock and calendar	n/a	yes	yes	yes
Conferencing	digit code	digit code	softkey	softkey
Dial by name (phone book)	no	no	yes	yes
Diversion	programmable key	programmable key	softkey	softkey
Follow-me (external)	programmable key or procedure	programmable key or procedure	softkey	softkey
Follow-me (internal)	programmable key or procedure	programmable key or procedure	softkey	softkey
Free seating	procedure	procedure	procedure	procedure
Inquiry	telephone key	telephone key	telephone key	telephone key
Intrusion	procedure	procedure	softkey	softkey
Last external number redial	procedure	procedure	softkey	softkey
Manual message waiting	programmable key	programmable key	programmable key	programmable key
Message waiting	programmable key	programmable key	programmable key	programmable key
Name identity	n/a	yes	yes	yes
Parallel ringing	yes	yes	yes	yes
Personal number profile	procedure	procedure	softkey	softkey
Refer back	telephone key	telephone key	telephone key	telephone key
Save external number	programmable key	programmable key	programmable key	programmable key
Secretary functions	programmable key	programmable key	programmable key	programmable key
Transfer a call	telephone key	telephone key	softkey	softkey

User guides are available on the Telephone Toolbox CD and at
http://www.aastra.com

Telephone Features

	Dialog 4220 Lite	Dialog 4222 Office	Dialog 4223 Professional	Dialog 4225 Vision	Dialog 4224 operator
Graphical display (pixels)	–	128 x 25	240 x 39	320 x 80	320 x 80
Tltable display n/a	n/a	–	•	•	•
Backlit display	n/a	–	–	•	•
Programmable Keys	5	5	7	17	n/a
LEDs	12	13	13	23	19
Navigation keys	–	–	–	3	n/a
Softkeys	–	–	4	4	n/a
Line access	2	2	2	2	n/a
Inquiry key	1	1	1	1	n/a
Transfer key	•	•	–	–	n/a
Clear function	•	•	•	•	•
Hearing impaired support with amplication (+6dB)	•	•	•	•	•
Message-waiting indicator	•	•	•	•	n/a
Mute function	•	•	•	•	•
Loudspeaker	•	•	•	•	n/a
Hands-free speaking	–	•	•	•	n/a
Headset port and key	–	•	•	•	•
Connection for extra key panel	–	1	4	4	n/a
Volume control	•	•	•	•	•
Programmable Ringer volume and tone character	•	•	•	•	•
Option unit connection	–	•	•	•	•
Adjustable console base	•	•	•	•	•
Wall mountable	•	•	•	•	•

n/a : Not Applicable for this terminal

Dimensions and Weight

	Dialog 4220	Dialog 4222	Dialog 4223	Dialog 4225/4224	key panel	Option unit
Length (mm)	231	231	231	234	226	85
Width (mm)	159	159	204	240	64	92
Height (mm)	102	102	102	102	90	35
Weight (mm)	627	670	837	978	222	41

Dialog 4224 Operator Features

- Absence information
- Account code
- Acoustic signal
- Alarm indication
- Answer function
- Automatic trunk line selection
- Automatic/manual call acceptance
- Busy verification
- Call announcing
- Callback
- Call offer
- Call splitting
- Call to individual external line
- Call waiting
- Calling/connected line presentation/ restriction
- Camp on busy
- Cancellation extensions facilities
- Choice of audible signaling type
- Clock, time of day
- Conference
- Diversion

- Diversion bypass
- Do-not-disturb bypass
- Emergency calls to operator
- Emergency switching
- Extending
- Extension status indication
- Follow-me-external, assistance
- Follow-me-internal, assistance
- Force release
- General cancellation, assistance
- Grouping of PBX operators
- Internal group hunting
- Intrusion on extension
- Intrusion on external line
- Last external number redial
- Malicious call tracing
- Manual answer
- Manual message waiting
- Manual ring
- Metering
- Monitoring
- Name display

- Night service
- Night service flexible, assistance
- Outgoing call assistance
- Paging
- Parking and retrieval of parked calls
- Privacy
- Programming from PBX operator terminal
- Queue indicator
- Recall to PBX operator
- Re-routed calls
- Selection of individual external line
- Serial call
- Special audible signals for operators with impaired vision
- Speed dialing and assistance
- Supervision
- Terminal present/absent marking
- Transfer of incoming calls to other PBX operators
- Voice volume control