

# Dialog 4000 Digital Telephones



*The new Dialog 4000 digital telephones combine outstanding features with advanced engineering and superior ergonomics. Environmentally-sound design features have been the cornerstone in the Dialog 4000 design process. The new Dialog 4000 generation of telephones lead the way into the future for enterprise communication.*

# Dialog 4000 Digital Telephones



## Dialog 4220 Lite

This compact, cost-effective model meets all basic telephony needs. The Dialog 4220 Lite is specifically designed for customers who want traditional voice functions with superior voice quality. It is also a robust convenience phone for visitor or service areas. The Dialog 4220 Lite can be adapted to suit organizational changes or the demands of relocation.



## Dialog 4222 Office

The Dialog 4222 Office is a desktop telephone with virtually all of the features you need in the office. It is user-friendly with full functionality for complete communication needs and equipped with integrated headset port. The telephone features a flexible graphical two line display for data such as the called party's extension number and location status, and the time and date.



## Dialog 4223 Professional

This multi-featured Professional model supports advanced system functions. The Dialog 4223 Professional is ideal for use in secretarial supervision configurations, key systems and traditional Call Center (ACD) group functions.

The telephone is equipped with integrated headset port. It features a flexible graphical three line display for data such as the called party's extension number and location status, and the time and date. The display can also be tilted to different angles.

In addition Hands-free speaking with full duplex and Acoustic Echo Cancellation (AEC) is supported. Four additional Soft Keys provide an easy user interface for accessing different menu options. The Soft Keys change their function dynamically depending on the telephone status. These dynamic Soft Keys make it very convenient to access enhanced features like directories, voice mail, conference calls etc.



## Dialog 4224 Operator

The Dialog 4224 Operator telephone is specifically designed for the needs of BusinessPhone PBX operators providing full switchboard access and functionality like supervision of extension.

The telephone has an integrated headset port and for Hands-free speaking it supports full duplex and Acoustic Echo Cancellation (AEC).

### System compatibility

	BusinessPhone Version								
	2.0	2.1	3.0	3.1	4.0	5.0	5.1	6.0	7.0
<i>Dialog 4220 Lite</i>	no	YES	YES	YES	YES	YES	YES	YES	YES
<i>Dialog 4222 Office</i>	no	YES	YES	YES	YES	YES	YES	YES	YES
<i>Dialog 4223 Professional</i>	no	YES	YES	YES	YES	YES	YES	YES	YES
<i>Dialog 4224 Operator</i>	no	no	YES	YES	YES	YES	YES	YES	YES

### Dimensions\* and weight

	Dialog 4220 Lite	Dialog 4222 Office	Dialog 4223 Professional	Dialog 4224 Operator	Key panel
<i>Length (mm)</i>	231	231	231	234	226
<i>Width (mm)</i>	159	159	204	240	100
<i>Height (mm)</i>	101	101	101	101	90
<i>Weight (g)</i>	650	850	850	1100	230

\*all values in non-tilted position of display and position of feet



## Highlights of system dependent telephone features

	Dialog 4220 Lite	Dialog 4222 Office	Dialog 4223 Professional	Dialog 4224 Operator
Abbreviated no. dialling – individual numbers via key pad	10	10	10	
Abbreviated no. dialling – individual numbers via prog. key	4	4	4	3
ACD agent telephone		x	x	
ACD supervisor telephone		x1	x	
Automatic callback	x	x	x	
Background music	x	x	x	x
Call metering		x1	x	x1
Call pick up	x	x	x	x
Call waiting indication	x	x	x	x
Caller List		x	x	
Camp on	x	x	x	x
Clock and diary		x	x	x
Common bell	x	x	x	x2
Conference	x	x	x	x1
Conversation recording	x	x	x	
Directory access (Telephone directory)		x	x	x
Diversion direct / no reply	x	x	x	x3
Diversion on busy	x	x	x	
Fault indication			x	x
Follow me	x	x	x	
Hot line	x	x	x	
Hotel guest room telephone	x	x		
Hotel reception telephone			x	x
Hotel service telephone		x	x	
Immediate answer		x	x	x
Individual mailbox	x	x	x	
Inquiry / refer back	x	x	x	x
Intercom	x1	x	x	x
Intrusion	x	x	x	x
ISDN Calling line ID		x	x	x
ISDN Connected line ID		x	x	x
Key system function	x	x	x	x
Last external number redial	x	x	x	x
Loudspeaker paging	x	x	x	x
Name identification		x	x	
Paging	x	x	x	x
Parking individual	x	x	x	x
Programmable keys	4	4	4	3
Secretary function	x1	x	x	x
Supervision of extensions / trunks	x	x	x	x
Tandem	x	x	x	
Telephone directory			x	x
Text Message - call me	x	x	x	x
Text Message - individual text			x	x

### Prerequisites:

#### Hardware Compatibility:

The Dialog 4000 digital telephones are compatible with ELU-D3, ELU-D and MFU

Remote Firmware upgrade can be performed on ELU-D3 and MFU from BusinessPhone 4.0 onwards using BMS 3.0 or higher.

Note: the latest firmware must be installed on the respective boards

#### Line network

2-wire connection

Maximum line length: 800 m with 0.5 mm diameter cable

#### Environmental ranges:

##### Operation

Temperature +5°C – +45°C

Relative humidity 10% – 95%

##### Storage

Temperature –10°C – +55°C

Relative humidity 10% – 95%

#### Ringer

Ten levels (maximum volume >72 dBA) and ten different tones provide 100 different combinations.

#### Colors

The standard colors of the Dialog 4000 digital telephones are light or dark grey.

x1 available with limitations

x2 can not be programmed as common bell, but only answers calls

x3 corresponds to the feature "Offduty position"

A list including all system and extension features is available in the BusinessPhone operational description

Note: Some of the above listed functions may need additional system hardware, software, licenses or a specific configuration.

#### Digital telephones features:

	Dialog 4220 Lite	Dialog 4222 Office	Dialog 4223 Professional
Line access	2	2	2
Inquiry Key	1	1	1
Programmable Keys	4	4	4
LEDs	12	13	13
Soft Keys	–	–	4
Headset Key	–	•	•
Graphical Display	–	•	•
Option unit Connection	–	•	•
Connection for extra key panel (numb of keys )	–	1 x17	4 x17
Message-Waiting indicator	•	•	•
Loudspeaking	•	•	•
Hands-free Speaking	–	•	•
Mute function	•	•	•
Volume control	•	•	•
Programmable Ringer volume	•	•	•
Tone	•	•	•
Transfer key	•	•	•
Clear function	•	•	•

## Dialog 4000 digital telephones accessories:

These accessories are available for all Dialog 4000 digital telephones.

- **Key panel**

Comes with 17 extra-programmable keys and associated LEDs.

- **Software and papers**

*Telephone Tool box* including Designation Card Manager (DCM) software and user guides/quick reference guides in PDF format.

*Online Tutorial:* Computer Based Training for all phones also includes user guides.

*Designation Card Kit* consisting of CD-ROM with DCM and pre-cut papers.

- **Pull-out leaf kit**

- **Hand set cord**

- **Terminal cords**

- **Option Unit**

The Option Unit is available for Dialog 4000 Digital Telephones (except for Dialog 4220) and offers connections for external bell and busy signal.

## Key panel support

	BusinessPhone Version								
	≤2.0	2.1	3.0	3.1	4.0	5.0	5.1	6.0	7.0
<i>Dialog 4220 Lite</i>	0	0	0	0	0	0	0	0	0
<i>Dialog 4222 Office</i>	0	0	0	0	0	0	1*	1*	1*
<i>Dialog 4223 Professional</i>	0	2	4**	4**	4**	4**	4**	4**	4**
<i>Dialog 4224 Operator</i>	0	0	4**	4**	4**	4**	4**	4**	4**

\* only on ELU-D3 or MFU with latest Firmware  
 \*\* only on ELU-D3 or MFU



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