

MiVoice MX-ONE Terminal Overview

DESCRIPTION



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1 INTRODUCTION

This document gives an overview of the terminal features for orderable terminal models and selected legacy terminal models that are supported but not orderable in the MX-ONE™.

For information on which telephony features are supported for the different terminal types, see the *MIVOICE MX-ONE FEATURE MATRIX*.

For detailed information on orderable terminals, see the appropriate directions for use for each terminal model. For detailed information on terminals not included in the new deliveries, see the appropriate ASB 501 04 (TSW) documentation.

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IP PHONES

2.1

ORDERABLE

Table 1 Mitel 6900 models (SIP)

Telephone set	Mitel 6920	Mitel 6930	Mitel 6940
Display type	3,5", 320 x 240 pixels QVGA, LCD display	4,3", 480 x 272 pixels TFT LCD display	7", 800 x 480 pixels Color LCD Touch display
Fixed function keys	4+6	5+12	-
Line keys	2	2	2
Programmable function keys (softkeys)**)	6 softkeys that can be customized to access 20 functions. 4 context-sensitive system keys that can be customized to access 18 functions	12 softkeys that can be customized to access 44 functions. 5 context-sensitive system keys that can be customized to access 24 functions	48 softkeys that can be customized over 4 pages. 30 context-sensitive system keys that can be customized over 6 pages
Number of extra display (LDC) and key panels	1-3 *)	1-3 *)	1-3 *)
Hands-free	x	x	x
Handset, Bluetooth wireless	-	x (opt)	x
Bluetooth 4.1 support	-	x	x
USB port (2.0, type A)	x	x	x
Head-set, wired analog	x	x	x
Head-set, EHS and USB	x	x	x
Head-set, integrated DECT wireless	-	x	x
Wideband Bluetooth speaker (S720)	-	x	x
Melody	-	-	-
Silent ringing	x	x	x
XML applications	x	x	x
Backlight display	x	x	x
PoE support (802.3af)	x	x	x

* Display and key panel unit M695 has 28 hard keys (x3 pages & x3 modules) and a display.

WLAN adapter, AC adapter and wall mount is available for all three models.

Detachable alpha-numeric keyboard K680 is also be available.

Table 2 Mitel 6800i models (SIP)

Telephone set	Mitel 6863i	Mitel 6865i	Mitel 6867i	Mitel 6869i	Mitel 6873i
Display type	128 x 48 pixels graphical LCD	128 x 48 pixels graphical LCD	3,5", 320 x 240 pixels QVGA, TFT display	4,3", 480 x 272 pixels QVGA, TFT LCD display	7", 800 x 480 pixels Color LCD Touch display
Fixed function keys	1	5	4+6	5+12	-
Line keys	2	2	2	2	2
Programmable function keys**)	3 hard keys	8 hard keys	6 softkeys that can be customized to access 20 functions. 4 context-sensitive system keys that can be customized to access 18 functions	12 softkeys that can be customized to access 44 functions. 5 context-sensitive system keys that can be customized to access 24 functions	48 softkeys that can be customized over 4 pages. 30 context-sensitive system keys that can be customized over 6 pages
Number of extra key panels	-	1-3 *)	1-3 *)	1-3 *)	1-3 *)
Hands-free	x	x	x	x	x
Head-set	-	x	x	x	x
Soft-keys	-	x	x	x	x
Melody	-	-	-	-	-
Silent ringing	x	x	x	x	x
XML applications	x	x	x	x	x
Backlight display	-	x	x	x	x
PoE support	x	x	x	x	x

*) Display panel unit M685 has 28 keys with 84 softkeys on 3 pages. Key panel unit M680 has 16 hard keys.

***) Some programmable function keys may be allocated by XML-based MX-ONE services.

Note: The orderable IP phones have support for Unicode, but there are limitations.

Table 3 DBC 42X

Telephone set	DBC 420 02	DBC 422 02 No extra key panel	DBC 425 02
Display type	-	2 lines LCD with up to 20 characters	7 lines LCD with up to 50 characters
Fixed function keys	4	4	3
Programmable function keys	6	6	17
Number of extra key panels	-	1 *)	1-4 *)
Hands-free	-	x	x
Monitor loudspeaker	x	-	-
Self-test	x	x	x
Option unit	-	x	x
Soft-keys	-	-	-
Melody	-	-	-
Silent ringing	x	x	x
WAP	-	x	x
Backlight display	-	-	-

*) Extra Key Panel Unit (KPU) has 17 keys

Table 4 DBC 43X and DBC 446

Telephone set	DBC 433 01	DBC 434 01	DBC 444 01	DBC 446 01
Display type	128 x 32 pixels, 3 line LCD	128 x 32 pixels, 3 line LCD	3,5 inch, color display	4,3 inch color touch screen
Fixed function keys	5	5	5	7
Programmable function keys	-	8 Max 80 shortcut keys with DPU/KPU	8 physical shortcut keys. 80 softkeys on 10 pages Max 80 with KPU/DPU	20 (shortcut keys)
Number of extra key panels	-	1-2 DPU *) or 1-3 KPU *)	1-2 DPU *) or 1-3 KPU *)	-
Hands-free	-	x	x	x
Monitor loudspeaker	x	-	-	-
Self-test	x	x	x	x
Option unit	x	x	x	x
Soft-keys	x	x	x	x
Melody	-	-	x	-
Silent ringing	x	x	x	x
WAP	-	x	x	-

Telephone set	DBC 433 01	DBC 434 01	DBC 444 01	DBC 446 01
XML interface	CMG corporate directory	CMG corporate directory	CMG corporate directory	CMG corporate directory
Backlight display	-	x	x	x

*) 24 shortcut keys on each DPU/KPU

2.2

NOT FOR NEW DELIVERIES

Table 5 Mitel 6753i, 6755i, 6757i, 6735i, 6737i (SIP)

Telephone set	Mitel 6753i	Mitel 6755i/6735i	Mitel 6757i/6737i
Display type	3 line LCD	144 x 75 pixels graphical LCD	144 x 128 pixels graphical LCD display
Fixed function keys	4	4	4
Programmable function keys	8 hard keys	6 top hard keys 6 bottom softkey 20 bottom softkeys on page 1, 2, 3	6 top softkeys 6 bottom softkey 20 bottom softkeys on page 1, 2, 3 10 top softkeys on page 1, 2
Number of extra key panels	1-3 *) only M670	1-3 *)	1-3 *)
Hands-free	x	x	x
Option unit	-	-	-
Soft-keys	-	x	x
Melody	-	-	-
Silent ringing	x	x	x
XML applications	x	x	x
Backlight display	-	x	x
PoE support	x	x	x

*) Display panel unit M675 has 20 keys with 60 softkeys on 3 pages.

Key panel unit M670 has 36 hard keys

The Mitel 675x, 6735 and 6737 are former Aastra phone models.

Note: The orderable IP phones have support for Unicode, but there are limitations. In MX-ONE 5.0 the support for the Russian language was added.

Table 6 Mitel 6730, 6731, 6739

Telephone set	Mitel 6730i	Mitel 6731i	Mitel 6739i
Display type	3 line LCD	3 line LCD	VGA, touch screen
Fixed function keys	6	6	9
Programmable function keys	8	8	55 softkeys
Number of extra key panels	-	-	-
Hands-free	x	x	x
Option unit	-	-	-
Soft-keys	-	-	x
Melody	-	-	-
Silent ringing	x	x	x
XML applications	x	x	x
Backlight display	-	-	x
PoE support	-	x	x

The Mitel 673x are former Aastra phone models.

Aastra/Ericsson DBC 422, DBC 425

Telephone set	Display type	Fixed function keys	Programmable funct. keys	No. of extra key panels	Hands-free	Monitor loudspeaker	Loudspeaking	Self-test	Option unit	Programmable voice transmission	Soft-keys	Adapter for external functions	Melody	Silent ringing	WAP	Web interface	Backlight display
DBC 422 01	Graphical**	4	6	-	-	x	x	x	-	-	-	-	-	x	-	x	-
DBC 425 01	Graphical*	3	17-85	1-4	x	-	-	x	x	-	x	-	-	x	x	x	-
		* The graphical display shows 6 or 7 rows with up to 50 characters per row, + 1 soft-key menu row.															
		** The graphical display shows 2 rows with up to 20 characters.															

3 ANALOG PHONES

3.1 ORDERABLE

Table 7 Analog Phones

Telephone set	DBC 106 21 Mitel 7106a	DBC 147 21 Mitel 7147a	DBC 187 21 Mitel 7187a
Display type	-	2 line	3 line
Speed dial	4	8	8
Hands-free	-	x	x
Phonebook	-	-	x

3.2 NOT FOR NEW DELIVERIES

Table 8 Analog Phones

Telephone set	DBC 106 01	DBC 147 01	DBC 187 01
Display type	-	-	Graphical 2x24 characters
Fixed function keys	-	10	10
Hands-free	-	-	x
Loudspeaking	-	x	x

4 DIGITAL PHONES

4.1 ORDERABLE

Telephone set	Display type	Fixed function keys	Programmable funct. keys	No. of extra key panels	Hands-free	Monitor loudspeaker	Loudspeaking	Self-test	Option unit	Programmable voice transmission	Soft-keys	Adapter for external functions	Melody	Silent ringing	WAP	Web interface
DBC 220 01	-	5	5	-	-	x	x	x	-	-	-	-	-	x	-	-
DBC 222 01	Graphical***	5	5	1	x	x	x	x	x	-	-	-	x	x	-	-
DBC 223 01	Graphical**	3	7	1-4	x	x	x	x	x	-	x	-	x	x	-	-
DBC 225 01	1) Graphical*	3	17	1-4	x	x	x	x	x	-	x	-	x	x	-	-
DBC 225 02	Graphical****	3	7	1-4	x	-	x	x	x	x	x	-	x	x	-	-
	* The graphical display shows 4 rows with up to 40 characters per row + 1 soft-key menu row.															
	** The graphical display shows 2 rows with up to 40 characters + 1 soft-key menu row															
	*** The graphical display shows 2 rows with up to 20 characters.															
	**** The graphical display shows 6 rows with up to 50 characters.															
	Each extra key panel has 17 programmable keys.															

1) DBC 225 01 without backlight is replaced by DBC225 02 with backlight

Figure 1: Digital telephones

Note: The orderable digital telephones have support for Unicode, but there are limitations. In MX-ONE5.0 the support for the Russian language was added.

4.2 NOT FOR NEW DELIVERIES

Telephone set	Display type	No. of key strips	Fixed function keys	Programmable funct. keys	No. of extra key panels	Hands-free	Monitor loudspeaker	Loudspeaking	Self-test	Option unit	Programmable voice transmission	Soft-keys	Adapter for external functions	Melody	Silent ringing	WAP	Web interface
DBC 201	-	1	-	-	-	-	x	x	x	x	x	-	-	-	-	-	-
DBC 202	Graphical*	1	-	-	-	-	x	x	x	x	x	-	-	-	-	-	-
DBC 203	Graphical**	2-4	-	-	-	x	x	x	x	x	x	x	-	-	-	-	-
DBC 210	-		4	2	-	-	x	-	x	x	x	-	-	-	x	-	-
DBC 211	-		5	5	-	x	x	x	x	x	x	-	-	-	x	-	-
DBC 212	Graphical*		5	5	-	x	x	x	x	x	x	-	-	x	x	-	-
DBC 213	Graphical**		6	14	1-2	x	x	x	x	x	x	x	-	x	x	-	-
	Each extra key panel has 17 programmable keys.																
	* The graphical display shows 2 rows with up to 20 characters per row.																
	** The graphical display shows 3 rows with up to 40 characters per row.																

5 CORDLESS PHONES

Note: Third party cordless phones are not supported.

5.1 ORDERABLE

Telephone set	DT390	DT690	DT692	DT413	DT423	DT433
Display type	Graphical *	Graphical **	Graphical **	Graphical 28*35mm	Graphical 28*35mm	Graphical 28*35mm
Headset	x	x	x	x	x	x
Bluetooth	-	x	x	x	x	x
Personal Alarm	-	-	x	-	x	x
Non-movement Alarm	-	-	-	-	x	x
Man-down alarm	-	-	-	-	x	x
Soft-keys	x	x	x	x	x	x
Operating time: Talk	16 h	13 h ⁴ 20 h ⁵	13 h ⁴ 20 h ⁵	10 h ⁴ 18 h ⁵	10 h ⁴ 18 h ⁵	10 h ⁴ 18 h ⁵
Operating time: Standby	180 h	120h ⁴ 240 h ⁵	120h ⁴ 240 h ⁵	80 h	80 h	80 h
Charging Time	4 h	4 h	4 h	3 h	3 h	3 h
Telephone storing book capacity, numbers	250 ³	250 ³	250 ³	250 ³	250 ³	250 ³
Trembler Alert (calls/messages)	x	x	x	x	x	x
Loud-speaker(s)	2	2	2	2	2	2
Durability (IP64)	IP40	IP44	IP44	IP65	IP65	IP65 ATEX
Back-light display	-	-	x	x	x	x
Notes	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP
	* The graphical black and white display shows 4 rows with up to 20 characters per row + 1 status row, 1 header row and 1 soft-key menu row.					
	** The graphical color display shows 4 rows with up to 20 characters per row + 1 status row, 1 header row and 1 soft-key menu row.					

	<ul style="list-style-type: none">1) with Bluetooth headset in use2) without Bluetooth headset in use3) Local phonebook=250 entries, Company phonebook=1000 entries, Central Phonebook=Unlimited entries³⁾³⁾4) With Bluetooth headset in use5) Without Bluetooth headset in use
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Note: The orderable cordless telephones have support for Unicode, but there are limitations. In MX-ONE5.0 the support for the Russian language was verified.

5.2

NOT FOR NEW DELIVERIES

Telephone set	DT412 V2	DT422 V2	DT432	WiFi412
Display type	Graphical *	Graphical *	Graphical **	Graphical ***
Headset	x	x	x	x
Bluetooth	-	-	-	-
Personal Alarm	-	x	x	-
Non-movement Alarm	-	x	x	-
Man-down alarm	-	x	x	-
Soft-keys	x	x	x	x
Operating time: Talk	12 h	12 h	12 h	10 h ¹ 18 h ²
Operating time: Standby	120 h	120 h	120 h	40 h ¹ 60 h ²
Charging Time	2 h	2 h	2 h	4 h ¹ 6 h ²
Telephone storing book capacity, numbers	100	100	100	100
Trembler Alert	x	x	x	-
Loud-speaker(s)	2	2	2	2
Durability (IP64)	IP64	IP64	IP64 Intrinsically safe	-
Back-light display	x	x	x	x
Notes	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	VoWi-Fi
	** The graphical display shows 3 rows with up to 20 characters per row + 1 status row and 1 soft-key menu row. It is possible to change the text size in the display.			
	*** The graphical display shows 3 rows with up to 20 characters per row + 1 status row and 1 soft-key menu row.			
	*** *The graphical display shows 3 rows with up to 22 characters per row + 1 status row and 1 menu row. It is possible to change the text size in the display.			
	1)1000mAh 2)1800mAh			

5.3

NOT FOR NEW DELIVERIES

Table 9 Not for New Deliveries, Part 1

Telephone set	DT288	DT290	DT292	DT368	DT400	DT410	DT412 V1
Display type	Graphical *	Graphical *	Graphical *	Graphical *	Graphical *	Graphical *	Graphical **
Headset	-	-	-	X	X	X	X
Bluetooth	-	-	-	-	-	-	-
Personal Alarm	-	-	-	-	-	-	-
Non-movement Alarm	-	-	-	-	-	-	-
Man-down alarm	-	-	-	-	-	-	-
Soft-keys	-	-	-	-	-	-	x
Operating time: Talk	15 h	17 h	17 h	10 h	10 h	10 h	8 h + alarm 5 h
Operating time: Standby	100 h	140 h	140 h	15 h	100 h	100 h	80 h + alarm 40 h
Charging Time	3 h	4 h	4 h	1,5 h	1 h	1 h	1 h
Telephone storing book capacity, numbers	100	100	100	1000	75	75	100
Trembler Alert	-	x	x	-	optional	optional	x
Loud-speaker(s)	-	1	1	-	1	1	2
Intrinsically safe (IP64)	-	-	-	-	-	-	x
Backlight display	-	-	-	-	-	-	-
Notes	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP
	* The graphical display shows 2 rows with up to 12 characters per row + 1 status row						
	** The graphical display shows 3 rows with up to 20 characters per row + 1 status row and 1 soft-key menu row. It is possible to change the text size in the display.						

Table 10 Not for New Deliveries, Part 2

Telephone set	DT420	DT422 V1	DT430	DT570	DT590	TH 688
Display type	Graphical **	Graphical *	Graphical *	Graphical ***	Graphical ****	Graphical ***
Headset	x	x	-	x	x	x
Bluetooth	-	-	-	-	-	-
Personal Alarm	x	x	x	-	-	-
Non-movement Alarm	Optional	x	x	-	-	-
Man-down alarm	-	-	-	-	-	-
Soft-keys	-	x	-	-	-	-
Operating time: Talk	10 h	8 h + alarm 5 h	10 h	10 h	17 h	15 h
Operating time: Standby	100 h	80 h + alarm 40 h	100 h	50 h	140 h	47 h
Charging Time	1 h	1 h	1 h	2 h	4 h	2 h
Telephone storing book capacity, numbers	75	100	75	100 /1000	100	100 /1000
Trembler Alert	Optional	x	x	-	x	-
Loud-speaker(s)	1	2	1	-	1	-
Intrinsically safe (IP64)	-	x	x	-	-	-
Backlight display	-	-	-	-	x	-
Notes	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP	DECT GAP/ CAP
	* The graphical display shows 2 rows with up to 12 characters per row + 1 status row					
	** The graphical display shows 3 rows with up to 20 characters per row + 1 status row and 1 soft-key menu row. It is possible to change the text size in the display.					
	*** The graphical display shows 3 rows with up to 12 characters per row.					
	**** The graphical display shows 4 rows with up to 20 characters per row + 1 menu row and 1 status row.					

6 TONE MESSAGES AND RING SIGNALS

For information on tone messages, ring and optical signals, see the *MARKET CHARACTERISTICS DESCRIPTION*.