



A MITEL  
PRODUCT  
GUIDE

# MiVoice MX-ONE

## Extension Functionality Comparison - Description

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# DTS vs H.323 vs SIP

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**Table 1: End user functions (in the MX-ONE Service Node)**

Functions	Mitel SIP	H.323a	DTS	Comments
Abbreviated dialing, common numbers	YES	YES	YES	
Abbreviated dialing, individual numbers	NO	NO	YES	
Account Code, pre-dialed	YES	YES	YES	
ACD group (member)	NO	NO	YES	CTI group and MiCC Enterprise must be used for IP phones.
ADN, Additional directory number (Extra incoming lines) basic functionality (for SIP called EDN, extra directory number)	YES	NO	YES	
ADN, full functionality with EDN	NO	NO	YES	
Alpha numeric display	YES	YES	YES	
Authorization code, central	YES	YES	YES	
Authorization code, regional	YES	YES	YES	
Automatic speech connection	YES	YES	YES	
Basic calls (of any type)	YES	YES	YES	
Call back on busy	YES	YES	YES	
Call back on no reply	YES	YES	YES	
Call back on not available TDM-D ECT	YES	YES	YES	
Call cost display (Advice of Charge)	NO	NO	YES	With public ISDN trunk
Call Park Pool (CPP)	YES	YES	YES	
Call pick-up, Group	YES	YES	YES	
Call Pick-up Group, enhanced display	YES*	NO	NO	* 6800/6900 phones w/key
Call pick-up, Individual	YES	YES	YES	
Call to individual external line	YES	YES	YES	
Call waiting (initiate)	YES	YES	YES	
Call waiting (receive)	YES*	YES	YES	* For single-line configured access in 6700/6800/6900.
Called/Calling/Connected number presentation	YES	YES	YES	
Cascade Ring group (member)	YES	YES	YES	

Functions	Mitel SIP	H.323a	DTS	Comments
Category codes for classes of service	YES	YES	YES	
Choice of Language	YES	YES	YES	Language is not changed in phone and in PBX with one action.
CLIPRO (CLIR override)	YES	YES	YES	
CLIR (Caller Identity restriction) per call	YES	YES	YES	
Common Service Profile	YES	YES	YES*	* Different content
Common bell group (answer)	YES	YES	YES	
Conference; basic functionality	YES	YES	YES	Leader and member
Conference; shown number of participants	YES	NO	YES	
Corporate logon (network roaming)	YES**	YES*	NO	* Only 7444  ** 6800 and 6900 (except 6763)
CTI group (member)	YES	YES	YES	MiCC Enterprise or similar application must be used.
CTI/CSTA call control services	YES	YES	YES	
CTI/CSTA monitoring	YES	YES	YES	
Customer Identity (CID) storage	YES	YES	YES	
Data Privacy/Call protection	NO	NO	YES	
Day and night categories for TCD	YES	YES	YES	
Dial by Name	YES	YES	YES	SIP&H.323: Local in the terminal  DTS: Centrally stored in the system
Direct-in line	YES	NO	YES*	Uses ADN/EDN.
Direct-media connections	YES*	YES	NO	
Diversion, common	YES	YES	YES	
Diversion, individual	YES	YES	YES	
Diversion, Individual, based on origin	YES*	YES*	YES*	* Can also be emulated with Personal number.
Diversion, direct	YES*	YES*,**	YES*	* Can also be emulated with Personal number.  ** Display/key support limited.
Diversion, on busy	YES*	YES*	YES*	* Can also be emulated with Personal number.

Functions	Mitel SIP	H.323a	DTS	Comments
Diversion, on no reply	YES*	YES*	YES*	* Can also be emulated with Personal number.
Diversion by-pass	YES	YES	YES	
DMN Diversion/Deflect Monitoring	YES	NO	NO	
Do Not Disturb, Group, by-pass	YES*	YES*	YES*	* Requires specific COS.
Do Not Disturb, Individual, by-pass	NO*	NO*	NO*	* This is an attendant feature request, but can be executed towards the extensions.
Do Not Disturb Group	YES	YES	YES	
Do Not Disturb, Individual	YES	YES	YES	
Emergency call to Operator	YES	YES	YES	
Emergency calls/SOS calls	YES*	YES	YES	* 6700/6800/6900 SIP also support ELIN, Emergency Location Identification Number
Emergency extension (Alarm extension)	NO	NO	YES	
Emergency Location information	YES	NO*	NO*	* Can be set by command
Emergency Notification	YES	YES	YES	
Encryption (SRTP for media, TLS for signaling)	YES	YES	NO	
End To End DTMF	YES	YES	YES	Suffix dialing during a call
Executive Intrusion	YES	YES	YES	From permitted extension
Faultman's ring back	YES	YES	YES	Callback on yourself
Fixed buttons functions	YES	YES	YES	
Follow me, external (ECF)	YES	YES	YES	
Follow me, internal	YES	YES	YES	
Forking (multiple terminal service, same number)	YES*	YES*	NO	Up to 8 SIP terminals, but 1 H.323
Free-on-busy key	YES	YES	YES	Free-on-second-line
Free-on-second-line menu	YES	NO	NO	
Free seating	YES	YES	YES*	* Limited functionality.
General Cancellation	YES	YES	YES	
Group hunting (member)	YES	YES	YES	
Group (hunting) member availability key + display	YES*	NO	NO	* 6900/6800 phones w/key, 3 states
Hold	YES	YES	YES	
Hospitality (room phone)	YES	YES	YES	
Hospitality (service quarter phone)	YES*	YES*	YES	* Limited functionality, no additional display information (service quarter phone).
Hot line, Delayed	YES	YES	YES	
Hot line, Direct/Immediate	YES	YES	YES	

Functions	Mitel SIP	H.323a	DTS	Comments
Hold	YES*	NO	NO	Softkey 6970
Individual call charging	YES	YES	YES	
Inquiry	YES	YES	YES	
Instant Messaging	YES	NO	NO	Using MSRP
Intercom	YES	YES*	YES	* Limited functionality.
Intrusion	YES	YES	YES	From attendant
Last number re-dial	YES	YES	YES*	* DTS has two variants; ENR-key or procedure
Line lock-out	YES	YES	YES	
Lock key	YES*	NO	NO	*Mitel 6900/6800
Logout restriction	YES	NO	NO	
Loud speaking	YES	YES	YES	
Malicious Call Tracing	YES	YES	YES	With appropriate trunk
Manual Message Waiting (indication)	YES	YES	YES	
Manual Message Waiting ring back	YES	YES	YES	
MDN keys (multiple representation)	NO*	NO*	YES	* Use SCA (for SIP) or MNS (for SIP and H.323) instead
Message diversion	YES	YES	YES	Absence/presence information
Message diversion display information	YES	YES	YES	
Message waiting (request & indication)	YES	YES	YES	
MNS basic feature (Busy Lamp Field)	YES	YES	YES	
MNS: add procedure *60*num#	YES	NO	YES	
MOBILE key	YES*	NO	NO	*Mitel 6930/6930w/6940/6940w/6970
Multi-Directory Diversion and DND	YES	NO	YES	
Multi-line access (w/ free on 2:nd)	YES	YES	YES	
Multi-Member busy (for ACD member or general)	NO	NO	YES	
Multiple terminal service (see Forking and Parallel ringing)	YES	YES	YES*	* Only Parallel ringing
Music-on-idle key (streaming on idle)	YES*	NO	NO	*Mitel 6800/6900 w/key

Functions	Mitel SIP	H.323a	DTS	Comments
Name and Number log (Call log/list), central in the PBX server	YES*	NO	YES**	* 6800/6900 SIPex only. The 6800/6900 phones will also automatically erase the log if used for Hospitality room phones.  ** DBC222,223,225 only
Name and Number log (Call log/list), local in terminal	YES**	YES*	NO	* With a backup copy stored on separate server  ** Turned off if the central log is on
Name display (calling/called/connected)	YES	YES	YES	
Night service	YES	YES	YES	
Paging (Request, Meet-me paging and Diversion to pager)	YES*	YES	YES	* Meet-me Paging and Diversion to Paging is supported. Paging request is only supported using prefix procedure.
Parallel ringing (multiple terminal service, different numbers)	YES	YES	YES	
Parking	YES	YES	YES	
PBX operator supervised call charging	YES	YES	YES	
Personal Number	YES	YES	YES	
Presentation restriction, Names	YES	YES	YES	
Presentation restriction, Numbers	YES	YES	YES	
Programmable button features	YES	YES	YES	
Recorded Voice Announcements (in individual welcome message)	YES	YES*	YES	* Not vocal guidance
Repeated Individual Diversion	YES	YES	YES	
Ring Signal selection	YES	YES	YES	
Saved number re-dial	YES	YES	YES	
Shared Call Appearance (SCA), without Bridging	YES	NO	NO	
Shared Call Appearance, with Bridging	YES	NO	NO	
Single button access	YES	YES	YES	
Single number indication	YES*	YES*	YES	Limited functionality.
Specific line pick up, MDN	YES*	NO	YES	* With the SCA feature.
Stop-watch	NO	NO	YES	
Terminal Selection Service (TSS)	YES	YES	NO	
Time and date display	YES	YES	YES	



Functions	Mitel SIP	H.323a	DTS	Comments
TNS keys (Speed dialing)	YES	YES	YES	
Touch screen	YES*	NO	NO	* Mitel 6873 and 6900
Transfer	YES	YES	YES	
Transfer/SpeedDial key	YES*	NO	NO	*Mitel 6900/6800

a7400 and MiVoice 442xx.

# SIP-DECT vs IP-DECT vs TDM-DECT

## 2

**Table 2: End user functions (in the MX-ONE Service Node)**

Function	SIP-DECT a	IP-DECT b	TDM-DECT c	Comments
Abbreviated dialing, common numbers	YES	YES	YES	
Abbreviated dialing, individual numbers	NO	NO	YES	
Account Code, pre-dialed	YES	YES	YES	
Alpha numeric display	YES	YES	YES	
Authorization code, common	YES	YES	YES	
Authorization code, individual	YES	YES	YES	
Automatic speech connection	YES	YES	YES	
Call cost display (Advice of Charge)	NO	NO	YES	
Called/Calling/Connected number display	YES	YES	YES	
Call back on busy	YES	YES	YES	
Call back on no reply	YES	NO	YES	
Call back on not available TDM-DECT	NO	NO	YES	
Call Center Agent	YES	YES	YES	
Call pick-up Group	YES	YES	YES	
Call Pick-up Group, enhanced Display	NO	NO	NO	
Call pick-up, Individual	YES	YES	YES	
Call to individual external line	YES	YES	YES	
Call waiting (initiate)	YES	YES	YES	
Call waiting (receive indication)	YES*	YES*	YES	* Multi line, default OFF.
Cascade Ring group (member)	YES	YES	YES	
Category codes for classes of service	YES	YES	YES	
Choice of Language	YES	YES	YES	
CLIR (Caller Identity restriction) per call	YES	YES	YES	

Function	SIP-DECT a	IP-DECT b	TDM-DECT c	Comments
CLIPRO (CLIR override)	YES	YES	YES	
Common bell group	YES	YES	YES	
Common hold	YES	YES	YES	
Conference; basic functionality	YES	YES	YES	Leader and member
Conference; shown number of participants	YES*	YES*	YES	* May depend on the terminal model.
CTI group (member)	YES	YES	YES	MiCC Enterprise or similar application must be used.
Day and night categories for TCD	YES	YES	YES	
Dial by Name	YES	YES	YES	
Direct-in line	YES	YES	YES	
Diversion, common	YES	YES	YES	
Diversion, individual	YES*	YES*	YES*	* Can also be emulated with Personal number.
Diversion, Individual, based on origin	YES*	YES*	YES*	* Can also be emulated with Personal number.
Diversion, direct	YES*	YES*	YES*	* Can also be emulated with Personal number. Display support is limited.
Diversion, on busy	YES*	YES*	YES*	* Can also be emulated with Personal number. Display support is limited.
Diversion, on no reply	YES*	YES*	YES*	* Can also be emulated with Personal number. Display support is limited.
Diversion by-pass	YES	YES	YES	
DMN Diversion/Deflect Monitoring	NO	NO	NO	
Do Not Disturb, Group, by-pass	YES*	YES*	YES*	* Requires specific COS.
Do Not Disturb, Individual, by-pass	NO*	NO*	NO*	* This is an attendant feature request, but can be executed towards the extensions.
Do Not Disturb, Group	YES	YES	YES	
Do Not Disturb, Individual	YES	YES	YES	
Emergency category	YES	YES	YES	
Emergency call to Operator	YES	YES	YES	
Emergency extension (Alarm extension)	NO	NO	YES	
Emergency Notification	YES	YES	NO	
End To End DTMF	YES	YES	YES	

Function	SIP-DECT a	IP-DECT b	TDM-DECT c	Comments
Executive Intrusion	YES	YES	YES	From authorized extension
Faultman's ring back	YES	YES	YES	Callback on yourself
Follow me, external (ECF)	YES	YES	YES	
Follow me, internal	YES	YES	YES	
Forking	YES	YES	YES*	* TDM, one device.
Free seating	NO	NO	YES	
Free-on-busy key	NO	NO	NO*	* Not relevant for single line phones
Free-on-second-line menu	NO	NO	NO*	* Not relevant for single line phones
General Cancellation	YES	YES	YES	
Group hunting (member)	YES	YES	YES	
Hold	YES	YES	YES	
Hospitality (room phone)	YES	YES	YES	
Hospitality (service quarter phone)	NO*	NO*	NO*	No additional display info, but can be used.
Hot line, Delayed	NO	NO	YES	
Hot line, Direct/Immediate	YES	YES	YES	
Individual call charging	YES	YES	YES	
Inquiry	YES	YES	YES	
Intercom	NO	NO	NO	
Intrusion	YES	YES	YES	From attendant, see Executive Intrusion for extensions
Last number re-dial	YES	YES	YES	
Line lock-out	YES	YES	YES	
Logout restriction	NO	NO	NO	
Loud speaking	YES	YES	YES	
Malicious Call Tracing	YES	YES	YES	
Manual Message Waiting (indication)	YES	YES	YES	
Message diversion	YES	YES	YES	
Message diversion display information	YES*	YES*	YES	* Different principles used.
Message waiting	YES	YES	YES	
Multi-line access (free on 2 :nd)	YES*	YES*	NO	* Multi-line can be configured, default is OFF (no multi-line).
Multiple terminal service (see also Forking and Parallel ringing)	YES	YES	YES*	* Only Parallel ringing

Function	SIP-DECT a	IP-DECT b	TDM-DECT c	Comments
Music-on-Hold/Wait and Recorded Voice Announcements	YES	YES	YES	
Name and Number log	YES	YES	YES	Local in the terminals
Name display	YES	YES	YES	
Name presentation restriction	YES	YES	YES	
Night service	YES	YES	YES	
PABX operator supervised call charging	YES	YES	YES	
Paging (Request, Meet-me paging and Diversion to pager)	YES	YES	YES	
Parking	YES	YES	YES	
Parallel ringing	YES	YES	YES	
Personal Number	YES	YES	YES	
Presentation restriction, names	YES	YES	YES	
Presentation restriction, numbers	YES	YES	YES	
Programmable button features	YES	YES*	YES*	* DT4xx phones.
Repeated Individual Deflection	YES	YES	YES	
Saved number re-dial	YES	YES	YES	
Single number indication	YES	YES	YES	
Soft key/menus	YES	YES*	YES*	* DT4xx phones.
Time and date display	YES*	YES	YES	
TNS keys (Speed dialing)	NO*	NO*	NO*	Available as terminal function.
Transfer	YES	YES	YES	

<sup>a</sup>SIP-DECT = Former Aastra/DeTeWe's DECT, w/Mitel 6xx phones

<sup>b</sup>IP-DECT = Ascom's DECT, w/DT3xx/4xx/6xx phones

<sup>c</sup>Integrated DECT = with ELU31 boards, w/DT3xx/4xx/6xx phones

**Table 3: DECT Telephone and DECT System Features**

Function	SIP- DECT a	IP- DECT b	TDM- DECT c	Comments
Acoustic device signal at alarm	YES	YES	YES	

Function	SIP- DECT a	IP- DECT b	TDM- DECT c	Comments
Alarm platform	YES	YES	YES	
ATEX terminals	NO	YES	YES	
Auto Call set-up at alarm	YES	YES	YES	
Back-up handling	YES	YES	YES*	* If MX-ONE function is configured.
CAT-iq handsets	YES	NO	NO	
Central Phone Book	YES	YES	YES	
Centrally stored personal settings and data	YES*	YES*	YES*	* Config. data OK, user setting local.
CMG Directory	YES	YES	YES	
Corporate Directory Access	YES	YES	YES	
DECT SMS	NO	YES	YES	
DECT XQ for reflective environments	YES	NO	NO	
Display Management	YES	YES	YES	
Diversion menu	YES	NO	NO	
Dynamic Transmit Power	NO	YES	YES	
Encryption (SRTP for media, TLS for signaling)	YES	YES	NO*	* Not applicable.
G.722 wide-band codec	YES	NO	NO	
Load sharing	YES	YES	YES*	* Native, MX-ONE functionality.
Locating service (BS/RFP id)	YES	YES	YES	
Messaging (longer messages, using data profile)	YES	NO	NO	
SNM + PM integration	YES	NO	YES	
PIN code; menu for support of changing the PIN code	NO	NO	NO	
PP Antenna diversity	NO	YES	YES	
Redundancy	YES	YES	YES*	* Native, MX-ONE functionality.
Redundancy. Basic functionality	YES	YES	NO*	* TDM requires the HLR Server to be active.
Redundancy. Register to redundant server at once	YES	YES	NO*	* TDM requires the HLR Server to be active.
Secure DECT (new standard for DECT security)	NO	YES	NO	
Service menu	YES	NO	NO	
Support for HTTPS	YES	YES	NO	Not applicable.
Support upload of personal ring signals	NO	YES*	NO	* DT692 & DT4x3.

Function	SIP- DECT a	IP- DECT b	TDM- DECT c	Comments
Voice Recording	NO	NO	NO	
XML Services	YES	NO	NO	

<sup>a</sup>SIP-DECT = Former Aastra/DeTeWe's DECT, w/Mitel 6xx phones

<sup>b</sup>IP-DECT = Ascom's DECT, w/DT3xx/4xx/6xx phones

<sup>c</sup>Integrated DECT = with ELU31 boards, w/DT3xx/4xx/6xx phones

