

# MiVoice 4400 IP Telephones

## MiVoice 4400 IP Telephone Models

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

\* Supports extra key panel(s)



Harness the combined power of customers' existing data networks and Mitel communication systems. Elegant and sophisticated, the Mitel 4400 IP is the intelligent solution for simplified, cost-effective migration to the world of IP telephony.

Remote configuration or software upgrades from a central location simplifies operation and maintenance. Regardless of location, the IP telephones are kept up to date with the most current software and ready to receive new technical enhancements. The MiVoice Dialog 4400 IP telephones comply with existing standard requirements, as well as the latest environmental and safety regulations. MiVoice 4400 IP telephones have a number of advanced security and safety features. Ease-of-use and ease-of-maintenance are focus areas for IP platform development and will continue to be so in future feature enhancements.

## Highlights

- Easy migration to IP telephony
- Support for all major voice compression codecs for bandwidth saving
- Elegant design and superior ergonomics
- Compliance with environmental standards
- Easy operation and maintenance
- Firmware automatically upgradable from web server
- User mobility (free seating)
- Support for MiVoice MX-ONE, BusinessPhone and MD Evolution telephony systems
- Full handsfree support (MiVoice 4422 and 4425)
- Speaker for monitoring calls and listening to telephony services (e.g. interactive voice systems, news and weather forecasts)
- Equipped with hearing aid support and acoustic chock protection
- Quality of Service (QoS): Packet prioritization for speech and signaling to DiffServ. Layer 2 QoS
- Media encrypted with SRTP (Secure Real-time Transport Protocol)
- 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 4 W is 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)

## MiVoice 4420 IP – Basic

The 4420 IP has 12 function keys with integrated LED indicators. Seven of the function keys are programmable for speed dialing or service features supported by the telephony system.

The remaining keys are used for locally controlled feature keys; mute key for switching off the microphone and volume control. The phone supports programmable ring tones and has a monitor-speaker for ongoing call or call set-up.



*MiVoice 4420 IP*

## MiVoice 4422 IP – Office

The 4422 IP has 13 function keys with integrated LED indicators. Seven of the function keys are programmable for speed dialing or service features supported by the telephony system.

In addition to the 4420, the 4422 includes a graphical two-line display for number and name presentation. The display, with adjustable viewing angle, is also used for menu and status information. To further extend the usability, the phone supports one extra Key Panel Unit with 17 programmable keys, and an Option Unit, providing interfaces for extra bell and busy signal/lamp. With the dedicated headset and loudspeaker/hands-free keys, the user can easily switch between the different modes.



*MiVoice 4422 IP*

## MiVoice 4425 IP – Vision

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.

The 4425 IP features 23 function keys with LED indicators; 17 are programmable for speed dialing or service features supported by the telephony system. Locally controlled feature keys are: mute key for switching off the microphone and volume control. This phone supports up to four extra key panels with 17 keys. Using the navigation keys in combination with soft keys, users can easily access a display menu with a number of system features, such as phone book, call list, diversion and absence reason.



*MiVoice 4425 IP*

## Requirements

Telephony System	Minimum Requirements
MiVoice MX-ONE	Telephony Server 2.0 or Telephony Switch (TSW)
BusinessPhone *	Version 7.0
MD Evolution & EBN	Version 8.0 c

## Product Features MiVoice IP Telephones

Feature	4420 IP Basic	4422 IP Office	4425 IP Vision
Dimensions (H x W x L) mm	92 x 159 x 230	92 x 159 x 230	102 x 240 x 234
Function keys with LEDs	12	13	23
Programmable keys	7	7	17
Support for extra key panel with 17 keys	-	1	4
User mobility: Log on and call	-	•	•
Hands-free speaker, full duplex /AEC	-	•	•
Headset port and key	-	•	•
Programmable ring tones	•	•	•
Option unit with support for extra bell or busy signals	-	•	•
Call list	-	•	•
Contacts (up to 1000)	-	•	•
Graphic display, LCD (pixel)	-	128 x 25	320 x 80
Adjustable viewing angle	-	•	•
Adjustable contrast	-	•	•
Backlit display	-	•	•
Corporate directory	-	•	•

\*BusinessPhone only supports MiVoice 4422 and MiVoice 4425

## Call Features

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

## VoIP Features

- DHCP\*
- RTP, IEFT RCF 3550t
- Quality of Service, IEEE 802.1p&q and DiffServ
- VLAN support IEEE 802.1p&q
- Supported 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)

## Common Features

- Programmable keys
- Function keys with LEDs

## POWER

- Power over Ethernet (PoE), IEEE 802.3af. Power class 1: 48 V DC
- Optional external power adapter:
  - » Input - 100 - 230 V AC
  - » Output - 24 V AC
- Average consumption using PoE: 2 W
- Average consumption using power adapter: 3 W

## SPECIAL FEATURES

- 2-port Ethernet switch, 10/100 Base T/TX (auto-sense)
- Integrated web server for maintenance
- Colors: Light or dark grey
- Firmware downloads from web servers

## ENVIRONMENTAL CONDITIONS

- Operating temperatures: +5 to +45 °C
- Storage temperatures: 0 to +70 °C
- Relative humidity: 5 - 90 %

## REGULATORY COMPLIANCE

- Acoustic shock protection: ETS 300 245-2
- Hearing aid compatibility: ITU-T P370 (8/96)
- EU RoHS directive: 2011/65/EU

## Accessories

- Telephone toolbox on CD-ROM including Designation Card Manager (DCM) software and user guide/quick reference guide in PDF format: <http://www.Mitel.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

## Service and Support

If you need technical assistance, please contact your local Mitel service partner. A list of certified partners can be found at [www.mitel.com](http://www.mitel.com).

## Recycling

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

\* MiVoice 4420 IP Basic requires DHCP. Fixed IP address is not supported on this model