Mitel 6800 Series SIP Phones

Versatile family of SIP Phones with robust functionality for any sized office

The Mitel 6800 series offers a range of phones with a breadth of features, such as color graphical displays, GigE Ethernet ports and DHSG/EHS headset support

The Mitel 6800 series is a family of powerful and modern SIP phones offering advanced interoperability with major IP telephony platforms. All phones in the 6800 series have a sleek and modern industrial design, remarkable HD wideband audio, an enhanced speakerphone, and superior audio processing to achieve richer and clearer hands-free conversations. Additionally, all models feature a highly compact desktop footprint and cutting-edge eco-friendly features, and support an extensive array of accessories, including a WLAN adapter, expansion modules and detachable keyboards.

Mitel
Powering connections

Mitel 6800 SIP Phones

Mitel 6863 SIP Phone

This 2-Line SIP Phone with 2.75" graphical monochrome LCD display, programmable hard keys, and smaller desktop footprint is an ideal option for professional workers in business environments that have light telephone use requirements.

- 2.75" 128x48 pixel graphical display
- Up to 2 lines with dedicated line keys
- Wideband handset and speakerphone
- Dual 10/100 BaseT Ethernet ports with hardware based switch
- 3 programmable keys pre-programmed and labelled with Callers List, Redial and Transfer
- Part Number: 80C00005AAA-A

Mitel 6865 SIP Phone

The Mitel 6865 SIP Phone offers exceptional value in a fully featured, expandable IP phone. With its eight programmable keys, XML capabilities, Expansion Module and native DHSG/EHS support, the Mitel 6865 is ideally suited for the small to large business market that needs Gigabit throughput for PC connectivity.

- 3.4" 128x48 pixel graphical backlit display
- Up to 24 lines when connected to an expansion module
- 2 dedicated line keys with LEDs
- Wideband handset and speakerphone
- Dual GigE Ethernet Ports
- DHSG/EHS headset and Expansion Module support
- 8 programmable keys with LEDs
- Part number: 80C00001AAA-A

Mitel 6867 SIP Phone

The Mitel 6867 SIP phone provides remarkable HD wideband audio and an enhanced speakerphone that utilizes advanced audio procession to achieve richer and clearer conversations. The 6867 offers a large color LCD display, dual port GigE, six programmable soft keys, four context-sensitive system keys, native DHSG/EHS headset and Expansion Module support.

- Color 3.5" QVGA 320x240 pixel LCD Display
- Up to 24 lines when connected to an expansion module
- 2 dedicated line keys with LEDs
- Magnetic Keyboard interface
- Dual GigE Ethernet Ports
- DHSG/EHS headset and Expansion Module support
- 6 programmable soft keys with LEDs that can be customized to access up to a total of 20 functions
- 4 context-sensitive system keys that can be customized to access up to a total of 18 functions
- Part number: 80C00002AAA-A

Mitel 6869 SIP Phone

The Mitel 6869 SIP phone commands the desktop with its large 4.3" color display, powerful crystal clear HD audio and 12 programmable soft keys. Dual Gigabit Ethernet ports, magnetic keyboard interface, native DHSG/EHS headset support, and choice of expansion modules make the 6869 a powerful and expandable desktop communication device.

- Large color 4.3" (480x272 pixel LCD display
- Up to 24 lines with 2 dedicated line keys

- Magnetic Keyboard Interface
- Dual GigE Ethernet Ports
- DHSG/EHS headset and Expansion Module support
- 12 programmable soft keys with LEDs that can be customized to access up to a total of 44 functions
- 5 context-sensitive system keys that can be customized to access up to a total of 24 functions
- Part number: 80C00003AAA-A

Mitel 6873 SIP Phone

The Mitel 6873 SIP Phone is designed for power users who demand a lot from their phone. The 6873 offers executives a large 7" touchscreen display, crystal clear HD audio and 48 programmable soft keys. Dual Gigabit Ethernet ports, embedded Bluetooth, powered USB port, touchscreen keyboard and choice of expansion modules ensure the 6873 delivers a robust, productivity-enhancing executive desktop communication tool.

- Large color 7" 800x640 pixel LCD Touch Display
- Up to 24 lines with 2 dedicated line keys with LEDs
- 48 Programmable soft keys that can be customized over 4 pages
- 30 Context-sensitive soft keys that can be customized over 4 pages
- Embedded Bluetooth 4.0
- Powered USB Port
- Part Number: 50006790

Accessories

Bluetooth Cordless Handset

The Bluetooth cordless voice optimized handset allows users to enjoy clearly discernable conversations in a variety of environments without being physically tied to their desk phone. 6873 users can enjoy the freedom of cordless conversations for IP calls by upgrading to the Bluetooth cordless handset.

- Supported on the 6873
- Answer/hang-up, mute and volume up/down buttons provided
- Ringtone played through handset while out of the phone cradle
- BT 4.1 Class 2 (10 meter / 30 feet range) wireless interface

WLAN Adapter

The WLAN Adapter delivers wireless 802.11 a/b/g/n dual band (2.4Ghz / 5Ghz) network connectivity to your 6800 series phone. Wirelessly enable your IP Phone by simply connecting the WLAN Adapter to the Phone's network port via the supplied Ethernet cable and then configure the adapter to connect to your home office or enterprise wireless network. The WLAN Adapter supplies POE power to the connected phone for a clean and simple single wall adapter solution. The WLAN Adapter supports connection of a PC to the PC port of the connected phone with true 2x2 MIMO (300Mb/s) throughput. The WLAN Adapter delivers enterprise grade dual antenna connectivity and up to 802.1x security plus comes with a remote management application that allows administrators to remotely manage adapters deployed within their user community.

Features	Mitel WLAN Adapter
Wireless	802.11a/b/g/n (dual band 2.4 and 5 GHz)
Ethernet	10/100/1000
Security	WPA/WPA2 Personal Enterprise with 802.1x Authentication
Antenna	Two (internal)
MIMO	2x2 MIMO
Max Link Rate	MSC0 to MSC15 (300Mb/s)
Additional Software Security	Ethernet MAC Address Intrusion Alert

Config from Phone	Yes (Future)
MAC Address Transparency	Yes
Support PC plugged into Phone	Yes
POE+	Yes to power the phone + installed accessories
Remote Management	Yes via Remote Management Application
Bulk updates	Yes via Remote Management Application
Set Up	WPS, Remote Manager, Direct Config, Web

Expansion Modules

Mitel offers a choice of two Expansion Modules, enabling the Mitel 6800 series SIP phones to become robust productivity-enhancing desktop communication tools. Powered directly from the phone, up to three modules can be daisy-chained together to provide additional programmable keys supporting advanced features such as SCA, BLF, and Speed dial.

M685 Expansion Module

The Mitel M685 features a color LCD screen and 28 programmable keys, with the ability to scroll through three pages of programmed entries.

- Supported on the 6865, 6867 and 6869
- 28 programmable softkeys with LEDs
- 4.3" 480x272 pixel color backlit LCD display
- Can be daisy chained with the M680 for a combined total of up to 3 modules
- Powered by the phone - no separate power adapter required
- Part number: 80C00007AAA-A

M680 Expansion Module

The M680 is compact, cost-efficient and provides 16 additional programmable keys with built-in LEDs.

- Support on the 6865, 6867 and 6869
- 16 programmable keys with LEDs
- Paper insert labelling
- Can be daisy chained with the M685 for a combined total of up to modules
- Powered by the phone – no separate power adapter required
- Part number: 80C00010AAA-A

K680 Detachable Magnetic Keyboard

The K680 Detachable Magnetic Keyboard magnetically attaches to the 6867 and 6869 models to allow easy and quick navigation through features and directories.

- Magnetically connects to phone
- QWERTY, QWERTZ, AZERTY versions
- Powered by the phone – no cables or batteries required
- Part Numbers:
    - 80C00008AAA-A (QWERTY)
    - 80C00013AAA-A (QWERTZ)
    - 80C00014AAA-A (AZERTY)

Wall Mount Kit

All Mitel 6800 Series SIP Phones can be wall-mounted safely and securely. The wall-mount kit has a two-piece slide-and-lock design and includes a short Ethernet cable, making installation simple and efficient.

- 2 Fixed angles to choose from: 10° and 20° (6869 offers 20° angle only)
- Part Number: 80C00011AAA-A

AC Adapter

Mitel (48v) AC Adapters are energy efficient Level V compliant with a choice of regional interfaces – support for 100-240VAC and 47-63HZ inputs.

- Part Numbers:
    - 50006824 (Europe)
    - 50006822 (North America)
    - 50006814 (Universal)

Common features for all Mitel 6800's phones & Comparison Feature Matrix

All the Mitel 6800 Series contain the following common features:

Telephony Hardware Features

- Full-duplex speakerphone
- Native HD Frequency range hardware
- Visual message waiting indicator

Telephony Features

- Multi line, multi-proxy registration support
- Outbound proxy support
- Busy Lamp Field (BLF)
- Priority alert / distinctive ringing
- Call forward / call waiting display
- Do Not Disturb (DND)
- Local 3-way conference
- Missed call indicator
- Multicast group paging
- Intercom / auto answer capability

Audio and Codec

- Mitel Hi-Q Audio Technology
- G.711, G.726, G.729, G.722 AMR*, AMR-WB (G.722.2*, iLBC
- WAV files for ringtones
- Voice Quality Metrics (incl. MOS)

Network Support and Interfaces

- IETF SIP (RFC3261)
- LDAP
- 802.1p/Q VLAN tagging & TOS
- 802.1X support
- STUN, TURN, NAT
- IETF DHCP, SNTP
- LLDP-MED

Application Support

- Telephone UI / Web UI
- Vendor, Model, MAC level configuration files
- Encryption of configuration files
- Zero touch configuration
- Multilingual support

	6863	6865	6867	6869	6873
Telephony Hardware Features					
Ethernet Ports	Dual 10/100 Mbps	Dual 10/100/1000 Mbps	Dual 10/100/1000 Mbps	Dual 10/100/1000 Mbps	Dual 10/100/1000 Mbps
Programmable Soft Keys with LEDs (# of function)	0	0	6 (20)	12 (44)	0
Programmable soft keys	0	0	0	0	48
Programmable context-sensitive system keys (# of functions)	0	0	4 (18)	5 (24)	0 (30 soft keys)
Programmable keys (paper labels)	3	8	0	0	0
Re-programmable hard function keys (keycaps)			●	●	●
Magnetic keyboard interface			●	●	●
Bluetooth headset support					● (native support)
DHSG/EHS headset port		●	●	●	
Expansion module support		Up to 3	Up to 3	Up to 3	Up to 3
USB 2.0 port			●	●	●
Display screen size	2.75"	3.4"	3.5"	4.3"	7"
Display screen resolution	124 x 48 pixels	128 x 48 pixels	320 x 420 pixels	480 x 272 pixels	800 x 640 pixels
Display screen type	Monochrome	Monochrome	Color	Color	Color (touchscreen)
Backlit display		●	●	●	●
Telephony Features					
Number of lines	2	24 (with expansion)	24 (with expansion)	24	24
Directory Name/Number Capacity	1000	1000	1000	1000	1000
Callers log	200	200	200	200	200

Name/Number Capacity					
Last Number Redial Capacity	100	100	100	100	100

Power Options

Power over Ethernet	Class 1	Class 2	Class 2	Class 3	Class 3
Dynamic PoE Class Switching	N/A	Class 2 to Class 3 with M685	Class 2 to Class 3 with M685	N/A	Class 3 to Class 4 with M685
AC adaptor (optional)	Level V efficiency	Level V efficiency	Level V efficiency	Level V efficiency	Level VI efficiency

Part Number

Part Number	80C00005AAA-A	80C00001AAA-A	80C00002AAA-A	80C00003AAA-A	50006790

Mitel®
mitel.com
Powering connections