

# Mitel 6800 Series SIP Phones



The Mitel 6800 series is a family of powerful and modern SIP Phones offering advanced interoperability with major IP telephony platforms. 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. 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 wall mount kit, expansion modules, and detachable keyboards.

## Mitel 6863 SIP Phone

This 2-Line SIP phone with its 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 SIP phone 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 9 lines with 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 provides remarkable HD wideband audio and an enhanced speakerphone that utilizes advanced audio processing 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 9 lines with 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" 480x270 pixel LCD display
- Up to 12 lines with 2 dedicated line keys with LEDs
- Magnetic Keyboard Interface
- 2 GigE Ethernet Ports (LAN/PC)
- DHSG/EHS headset support-Expansion module support.
- 12 programmable soft keys with LEDs that can be customized to access up to a total of 40 functions
- 5 context-sensitive system keys that can be customized to access up to a total of 24 functions
- Part number: 80C00003AAA-A



## Accessories

### 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 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" 480x270 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



M685 Expansion Module

#### M680 EXPANSION MODULE

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

- Supported on the 6865, 6867 and 6869
- 16 programmable keys with LEDs
- Paper insert labeling
- Can be daisy chained with the M685 for a combined total of up to 3 modules
- Powered by the phone—no separate power adapter required
- Part number: 80C00010AAA-A



M680 Expansion Module

## 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.

- Supported on the 6867 and 6869 models
- 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)



K680 Keyboard

## 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



Wall-Mount Kit

## 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.

- 87-00012AAA-A (Europe)
- 87-00013AAA-A (North America)
- D6700-0131-48-20 (Universal)



AC Adapters

	6863	6865	6867	6869
<b>Telephone Hardware Features</b>				
Ethernet ports	Dual 10/100 Mbps	Dual 10/100/1000 Mbps	Dual 10/100/1000 Mbps	Dual 10/100/1000 Mbps
Programmable Soft keys with LED's (# of functions)	0	0	6(20)	12(40)
Programmable context-sensitive system keys (# of functions)	0	0	4(18)	5(24)
Programmable keys (paper label)	3	8	0	0
Re-programmable hard function keys (keycaps)			•	•
Full-duplex speakerphone	•	•	•	•
Native HD frequency range hardware	•	•	•	•
Magnetic keyboard interface			•	•
DHSG/EHS headset port		•	•	•
Modular 4 PIN headset port		•	•	•
Expansion module support		Up to 3	Up to 3	Up to 3
USB 2.0 port			•	•
Display screen size	2.75"	3.4"	3.5"	4.3"
Display screen resolution	128x48 pixels	128x48 pixels	320x240 pixels	480x270 pixels
Display screen type	monochrome	monochrome	color	color
Backlit display		•	•	•
Visual message waiting indication	•	•	•	•
<b>Telephony Features</b>				
Number of lines	2	9	9	9
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	•	•	•	•
Directory Name/Number capacity	200	200	200	200
Callers log Name/Number capacity	200	200	200	200
Last Number Redial capacity	100	100	100	100
<b>Audio and Codec</b>				
Mitel Hi-Q Audio Technology	•	•	•	•
G.711, G.726, G.729, G.722, AMR*, AMR-WB (G.722.2)*, iLBC	•	•	•	•
Voice Quality Metrics (incl. MOS)	•	•	•	•
<b>Power Options</b>				
Power over Ethernet	Class 1	Class 2	Class 2	Class 3
Dynamic PoE Class Switching	N/A	Class 2 to class 3 with modules	Class 2 to class 3 with modules	N/A
AC adapter (optional)	Level V efficiency	Level V efficiency	Level V efficiency	Level V efficiency

	6863	6865	6867	6869
<b>Network Support and Interfaces</b>				
IETF SIP (RFC3261)	•	•	•	•
802.1p/q VLAN tagging & TOS	•	•	•	•
802.1X support	•	•	•	•
STUN, TURN, NAT	•	•	•	•
IETF DHCP, SNTP	•	•	•	•
SRTP and TLS security	•	•	•	•
LLDP-MED	•	•	•	•
<b>Application Support</b>				
XML support for advance applications	•	•	•	•
<b>Configuration / Administration</b>				
Telephone UI/ Web UI	•	•	•	•
Vendor, Model, MAC level configuration files	•	•	•	•
Encryption of configuration files	•	•	•	•
Zero touch configuration	•	•	•	•
Multilingual support	•	•	•	•
Part Number	80C00005AAA-A	80C00001AAA-A	80C00002AAA-A	80C00003AAA-A