

Small Medium Business Controller (SMBC)

Communications Solution for Small and Medium Enterprises

Key Features

- For up to 200 users
- Open and modular
- Simple and user-friendly configuration and installation
- Powerful and future-ready for customer investment protection
- Applications directly integrated in the SMBC platform



Mitel SMBC – New Common Platform

The Mitel SMB Controller, loaded with the MiVoice Office 400 application software, is a communication server that perfectly addresses the smaller customer segment and offers a growth potential for up to 200 users. All the connections and control elements are accessible from the front. The display elements are arranged so that they remain visible whatever the installation position. The communication server can be expanded using interface cards and system modules.

POSITIONING

Applications range from small offices and branches to small and medium-sized companies. Up to 200 users can be operated on the communication server (one license is required for each user).

END-USERS

Thanks to the open standards, different types of end-user devices, Mitel's as well as and third-party's, can be connected and operated on the communication server: SIP-based, cordless, analog, digital as well as mobile/external phones.

BASIC SYSTEM

The Mitel SMBC basic system consists of:

- Mainboard with replaceable Quad Core CPU/memory module
- Desk-, wall- or rack-mount metal housing with detachable plastic cover
- 6 x FXS ports
- 4 slots for expansion cards
- 4 x GigE
- Fitted cooling fan
- Power supply unit

SYSTEM CAPACITY

The basic system can be expanded using interface cards, system modules and licenses.

The expansion possibilities available and the maximum system capacities need to be known so the communications system can be ideally adapted to customer requirements.

INTERFACES, DISPLAY AND CONTROL ELEMENTS

The following mainboard interfaces can be accessed only when the housing cover of the communication server is open:

Interfaces	SMBC
Slots for interface cards	4
Slots for DSP modules (up to 3 DSP modules can be stacked)	1
Slot for CPU module	1

The following interfaces, display and control elements of the mainboard are routed to the front panel:

Interfaces	SMBC
FXS terminal interfaces (onboard)	6
Ethernet interfaces 1Gbit/s (LAN)	4
RJ45 sockets on front panel, total	28
Supply input	1
Pilot key	1

MEDIA RESOURCES

Media resources are used for complex signal processing functions and made available by DSP chips (Digital Signal Processor). They provide functions for conference circuits, DTMF sender and receiver, compression of voice data, etc. A DSP chip is fitted on the mainboard, providing the basic resources of the communications server.

It can be expanded by adding up to 3 additional DSP modules.

EXPANSION CARDS

- Trunk: ISDN PRI/E1 and BRI-4, FXO-4
- Internal: FXS-4, DSI-4

DIMENSIONS

Height: 65 mm (wall- & rack-mounted)

Width: 360 mm (wall-mounted) and
483 mm (rack-mounted)

Depth: 294 (wall- & rack-mounted)

SYSTEM CAPACITY

Users / Phones	SMBC
Users	200
Max. simultaneous calls	200
Mitel 6800/6900 SIP/SIP DECT phones	200
Mitel Conf. phones / Video phones	200
MiVoice 2380ip softphones	200
Standard SIP	200
MiVoice 5300 digital phones	16/32*
Analog phones	22
MiVoice 5380/5380 IP Operators	32
Mitel 6869/6873/6930/6940 Operators	4
MiVoice 1560/1560 IP Operators	8
BLF on Mitel SIP phones	4,000

*if 2 phones connected on 1 interface

Mobility	SMBC
TDM DECT base stations SB4+	16
TDM DECT base stations SB8	8
TDM DECT phones	200
TDM DECT/non-DECT connections	50
SIP-DECT Base Stations	4,096
SIP-DECT phones	200
Mobile / Ext. extensions (GSM)	200

Audio Service	SMBC
Basic Voice Mail channels	2
Basic Voice Mail capacity	20 min
Enterprise VM channels (G.711)	16
Enterprise VM capacity (G.711)	1,000 min
Call recording channels	16
IVR (Auto-Attendant) channels max.	36
Conference Bridge Capacity (no. of conferences x max. number of users per conf.)	10x6
Silent Intrusion	yes
Channels to play “music on hold”	1
Channels to play “announcement messages”	4

Interfaces / Slots	SMBC
Expansion slot	4
Analog ports (FXS)	22
Digital ports (DSI)	16
ISDN-S interfaces	12
BRI interfaces	16
PRI/E1 interfaces	4
Analog trunk ports (FXO)	16
Rack/Desk/Wall mount	Y/Y/Y

UC and Applications	SMBC
Application server	Server Virtual
MS Exchange integration	Yes
Mitel Dialer clients	200
Office Suite Clients	200
CSTA monitoring sessions	800
First party CTI users (TAPI 2.1)	32
3rd party CTI users (TAPI 2.1) via OIP	200
SMTP Client	Yes

VoIP	SMBC
SIP access channels	240
SIP providers	10
SIP account	1,200
SIP accounts with reg. required	100
AIN nodes or GWs (incl. master node)	11
SIP networking nodes	100
Max ext. line keys on 6800 Phones	48-400
IP media channels “Standard Media Switch” (G.711/G.729)	30/30
Fax over IP channels	3
Line Echo cancellation	G.168
IP/VoIP security protocols	SRTP, TLS, mTLS, AES, HTTPS