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5304, 5312, 5324, 5330, 5340 and Navigator IP Phones
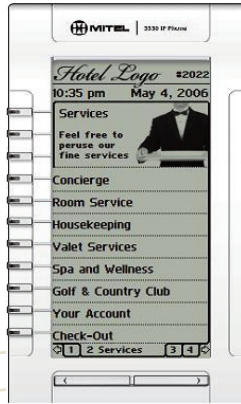
Enterprise-featured SIP Business Phones

The Mitel® 5304, 5312, 5324, 5330, 5340 and Navigator IP Phones have both Mitel's proprietary (MiNET) protocol and the open standard Session Initiation Protocol (SIP) available in the phone. These dual mode, versatile and highly interoperable phones function in both PBX environments as well as centralized / hosted deployments in SIP mode as part of a Mitel total IP-based business communications solution.

Flexibility For Multiple Environments

These dual mode IP Phones are powerful Internet telephones, bringing the benefits of SIP to any desktop. As SIP-compliant appliances, they are interoperable with all voice, data, video and Internet applications and services that are SIP enabled, and provide full SIP protocol support. Phone features are fully programmable by users and include caller lists and call logs that provide the convenience of mobile-phone-like features; full featured call control that brings users the familiar features of key telephone systems; and a built-in web server that enables access to all these features via the web.

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The enterprise feature, HTML Player, will allow third party applications to run on Mitel SIP Business Phones.

Toll-Quality Conversations

Users of these IP Phones enjoy toll-quality conversations, as each phone is WideBand G.722.1 ready (5330 and 5340 IP Phones only) and features an adaptive jitter buffer that adjusts to changes in bandwidth, delay and background noise. Every SIP conversation results in crystal clear voice quality, even when the underlying network experiences delays.

SIP-Enabled Desktop

These business phones offer enterprise features including dual switched Ethernet ports, full support for headsets, advanced interoperability supporting over 40 RFC versions, and are HTML application ready. With these IP Phones, Mitel fully SIP-enables businesses right to the desktop.

5304, 5312, 5324, 5330, 5340 and Mitel Navigator IP Phones, Features and Specifications

Features

Handset

Headset

LAN Port

PC Port

Administrative / User Privileges

Advisory Message

Alphanumeric Entry (5324 / 5330 / 5340 / Mitel Navigator IP Phones only)

Attended Call Transfer

Auto Answer

Automatic Daylight savings adjustment

Beep on Hold

Bridged Line Appearances (BLA Sylantro)

Busy Lamp Field BLF (Broadsoft Broadworks)

Busy Lamp Field BLF (Sylantro)

Call Alternate

Call Diversion (forward)

Call Duration Timer

Call Encryption

Call Filtering / Call Reject

Call Forking (Server)

Call Hold

Call Hold Ring back (reminder)

Call Logs (10 Received, 10 Made, 10 Missed)

Call Progress Tone

Call Reject to Voicemail

Call Waiting

Call Waiting Indicator

Caller ID

Click to Call

Conference Call, 3-way

CSTA Call Control

Custom Logo Insertion on Web Config Page

Dial by IP Address (5324 / 5330 / 5340 / Mitel Navigator IP Phones only)

Dial by Phone Number

Dial by SIP URL (5324 / 5330 / 5340 / Mitel Navigator IP Phones only)

Dial by SIP URL and Parameter (5324 / 5330 / 5340 / Mitel Navigator IP Phones only)

Dial from Calling Lists

Dial Tone

Dialing Plan (Automatic Route Selection)

Digest Authentication

Distinctive Ring

Do Not Disturb (DND)

DTMF in-band mixing

DTMF RTP Payload

Early Media Stream

Emergency Services E911

Enhanced Speed Dial

Hot Line Support (Automatic Ring-down)

Last Number Redial

LCD Brightness and Contrast Control

Local Tone Plans

Message Waiting Indicator

Message Waiting Stutter Tone

Multiple Calls

Multiple Users

Mute / Mic

On Hook Dialing

Password Setting

Personal Directory (PhoneBook) (60 entries)

Q.23 DTMF

Response Message Display

Ring Pitch Control

Ring Volume Control

RSS Feed Display

Shared Call Appearances (Broadsoft Broadworks)

Soft Branding on Set Display

Time and Date

Transfer, On Hook

Unattended (Blind) Call Transfer

Unattended Call Forwarding

Use Last 18x Message Received

Volume Control

Media

Adaptive Jitter Compensation
Echo suppression
Automatic Gain Control
G.711 Codec
G.729a Codec
G.729ab Codec Rx

Administration / Network Management

Automatic Firmware Upgrade (via Web GUI)
Automatic SIP Mode Provisioning
Boot by DHCP
Customization by User
DHCP tags (SIP Proxy, TFTP Server)
Failsafe TFTP Firmware Upgrade
Firewall Support
Installation Password
Network Vulnerability
SIP Phone Management (SPM) (Polling, Absolute Timer)
SNMP Support
SPM Generic Configuration File
SPM MAC based Configuration File
SPM UserID based Configuration File
Store / Retrieve Phone Configuration Details
Upgrade Firmware through TUI
Upgrade Notify
Web based Element Management

Performance

Boot and Upgrade Delay (waits for idle phone, no calls)
Loading Stability
Long-term Stability
Voice Quality

Conformance

10/100Mb Auto-sensing Ethernet – LAN Port
10/100Mb Auto-sensing Ethernet – PC Port
10/100Mb Configurable Ethernet – LAN Port
10/100Mb Configurable Ethernet – PC Port
802.3af LAN Support
Conference Unit
External DC power (5304 / 5312 / 5324 / Mitel Navigator IP Phones only)
Full Duplex Speakerphone (5312 / 5324 / 5330 / 5340 IP Phones only)
Geographic Language Support
Handset
Headset
Wideband Ready (5330 / 5340 IP Phones only)
Multi Language Support

Security

SRTP
Telnet S
Encrypted Firmware

Interfaces

Speakerphone
Stability Loss
TUI (Telephone User Interface)
Web Browser (5330 / 5340 IP Phones only)
Web GUI (Graphic User Interface)

Sylantro SIP-B Bridge Line Appearances (BLA)
Basic Call
Call Alternate
Call Conference
Call Conference Bridged
Call Hold / Unhold
Call Park
Call Pickup
Call Waiting
Calling and Called Party Display (RFC3325)
Click to Call
ComCierge
Direct Call Pickup
Distinctive Ring – External Call
Distinctive Ring – Group Call
Distinctive Ring – Internal Call
Do Not Disturb (DND)
Group Call Pickup
Hold Reminder
Hotline
Hunt Group
Intercom / Auto-Answer
Last Call Return
Music On Hold
Nuisance Call Notification to Server
Parking Meter
Speed Dial (Inbound)
Speed Dial (Outbound)
Suspend or Invoke Caller ID per call
Transfer Attended (Consultative Transfer)
Transfer Unattended (Blind)
Voicemail Message Indicator (MWI)
BLA (Bridge Line Appearance)
  • BLF (Busy Lamp Fields)
  • Call Forking
  • Originating Call from Shared Line
  • Pickup Held Call

Broadsoft Shared Call Appearances (SCA)
Anonymous Call Rejection
Basic Call
Call Alternate
Call Conference
Call Hold / Unhold
Call Park
Call Pickup
Call Waiting
Click to Call
Distinctive Ring
Do Not Disturb (DND)
Hold Reminder
Hotline
Hunt Group
Intercom / Auto-Answer
Music On Hold
Speed Dial
Suspend or Invoke Caller ID per call
Transfer Attended (Consultative Transfer)
Transfer Unattended (Blind)
Voicemail Message Indicator (MWI)
SCA (Shared Call Appearance)
  • BLF (Busy Lamp Fields) (Rls 7.2 UR1)
  • Call Forking
  • Originating Call from Shared Line
  • Pickup Held Call

Protocol Support
Network Protocols
"Proxy Required' Firewall support
ARP, UDP, TCP, ICMP, TFTP, HTTP, RTP
CDP
DHCP
DNS
DNS SRV
ENUM
GRUU
HTTP
IPv4
IPV4 ToS, DiffServ
LLDP
Multiple DNS
PPPoE
Secure RTP (SRTP and AES)
SIP
SIP-B
SNTP
Static IP
STUN
Symmetric UDP
TFTP
Telnet Shell command Interface

RFCs
802.1P/Q (VLAN Tagging)
AES (FIPS Publication-197)
Distinctive Ringing
draft-anil-sipping-bla-02.txt
draft-ietf-sip-cc-transfer-04
ECMA TR/87 CSTA Interface
G.711 A-Law / μ-Law
G.729
Q.23 DTMF
RFC 768 (UDP)
RFC 783 (TFTP)
RFC 791 (IP)
RFC 792 (ICMP)
RFC 793 (TCP)
RFC 826 (ARP)
RFC 854 (TELNET)
RFC 1034 (DNS)
RFC 1067 (SNMP)
RFC 1122 (IP)
RFC 1122 (TCP)
RFC 1122 (UDP)
RFC 1213 MIB II (SNMPv1)
RFC 1361 (SNTP)
RFC 1541 (DHCP)
RFC 1889 (RTP)
RFC 2144 (AES)
RFC 2327 (SDP)
RFC 2516 (PPPoE)
RFC 2543 (SIP)
RFC 2616 (HTTP Server and client)
RFC 2617 (HTTP Authentication)
RFC 2782 (DNS SRV)
RFC 2833 (RTP payload for DTMF)
RFC 2915 (DNS NAPTR)
RFC 2976 (INFO) (CSTA)
RFC 2979 (INFO) (CSTA)
RFC 3261 (SIP)
RFC 3262 (PRACK)
RFC 3264 (SDP)
RFC 3265 (only MWI, BLA, SCA events, Refer Notify)
RFC 3311 (UPDATE)
RFC 3325 (P-Assert-Identity) display only
RFC 3361 DHCP option 120
RFC 3420 (Sipfrag MIME)
RFC 3489 (STUN)
RFC 3515 (REFER)
RFC 3581 (Symmetric Response Routing)
RFC 3665 (Call Flow)
RFC 3711 (SRTP)
RFC 3842 (MWI)
RFC 3891 (Replace)
RFC 4028 (Session-Timer)
RFC 4235 (only dialog info)
RFC 4568 (SDES)
SIP and RTP Symmetric on UDP

	5304 IP Phone	5312 IP Phone	5324 IP Phone	5330 IP Phone	5340 IP Phone	Mitel Navigator
Feature						
Display	2 x 20	2 x 20	2 x 20	160 x 320 Grayscale	160 x 320 Grayscale	–
Backlight	•	•	•	•	•	–
Conference Unit	–	–	•	–	–	
Handsfree	One Way Audio only	•	•	•	•	•
Dial from Programmable Key (Max Speed Dial)	7	10	22	22	46	6 / 22
Max Lines	12	12	24	24	48	24
Conference Unit	–	–	–	–	•	
Presence	–	–	–	•	•	•
Directory	–	–	–	•	•	•
Buttons						
Cancel	Programmable key	•	•	•	•	•
Hold	Programmable key	•	•	•	•	•
Self Labelling Keys	–	–	–	•	•	–
Menu (SuperKey)	Programmable key	•	•	•	•	•
Message	Programmable key	•	•	•	•	•
Microphone / Mute	–	•	•	•	•	•
Programmable Keys	9	12	24	24	48	24
Physical Line Keys	12	12	24	8	16	8
Redial	2	•	•	•	•	•
Soft Keys	–	–	•	3	6	•
Speaker	–	•	•	•	•	•
Transfer / Conference	Programmable key	•	•	•	•	•
Navigation Keys	–	–	–	3	3	–
Volume / Contrast Control	•	•	•	•	•	•

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