

# MITEL UC360 COLLABORATION POINT



## MULTIMEDIA COLLABORATION APPLIANCE

Mitel® UC360™ Collaboration Point is an all-in-one multimedia collaboration appliance that provides multi-party audio and video conferencing, in-room presentation display, and remote collaboration for the personal office meeting space.

## WHAT MAKES UC360 COLLABORATION POINT UNIQUE

UC360 is a first-of-its-kind, all-in-one collaboration solution that delivers superior audio performance and rich multimedia collaboration. Nothing exists today that combines the audio, video, and presentation display capabilities into a single, easy to install and use appliance. UC360 makes multimedia collaboration cost effective and accessible to organizations of any size.

- Patented beamforming technology delivers HD audio clarity to all participants.
- Automatic video call escalation once an audio call is established – video is as easy as making a phone call.
- Built-in Pictel SmartOffice™ suite provides access to Microsoft® Office applications that are used for visual collaboration capabilities across organizations – cloud-enabled document access from Google® Docs™ and Dropbox.
- Remote Desktop (RDP) capability allows access to a remote PC from UC360 for visual collaboration with any application on that PC.

## FEATURES

- High-resolution, seven-inch colour multi-touch display (1024 x 600 dpi) provides intuitive user interface for access to call handling features, corporate directory, and audio, collaboration, and video functions
- Superior audio conferencing capability including beam forming array of 16 microphones and 22 KHz High Definition (HD) Audio Support
- Patented beamforming technology automatically locates the talker in the room while attenuating background noise by intelligently adjusting the microphone sensitivity towards the current talker – provides visual indication of the active microphone beam
- In-room presentation display capability via built-in HDMI interface that connects to high definition (1080p) LCD display or projector
- Built-in four-party HD Video Conferencing bridge
  - Up to 720p x 30fps video conferencing support
  - HD multi-party audio / video conferencing capabilities with built-in four-party bridge (one local + three remote)
- Next generation “zero learning curve” GUI that portrays a 3D environment with animation that delivers unparalleled ease of use
- External presentation display capability to remote video participants
- Embedded SmartOffice Suite enables user to view / modify PowerPoint®, Word, Excel®, and PDF files
- Support for remote desktop access (RDP)
- No laptop required to display presentation material in-room and to remote participants – access files via Google Docs, Dropbox, USB Flash Drive, Micro SD Card, or RDP
- Corporate Directory access (Active Directory® / LDAP)
- “Consultation Call” support: ability to set up a call with an external participant outside of the conference bridge even when the bridge is full

- Open, standards-based multimedia interoperability (SIP, H.264)
- Five one-touch buttons for dedicated Home, Menu, Back, Mute, Volume Up / Down functions
- Support for connection of Ethernet Cameras (up to 720p x 30 fps) that support H.264 codec
- Single GigE LAN Port
- Two USB 2.0 connections for transferring files / accessories support
- Support for USB-connected wireless keyboard and mouse
- Provides audible tone alerts when a party on a conference call has entered or dropped off the conference
- Supports operation behind the Mitel Border Gateway (MBG) as a solution to ensure firewall / NAT traversal as well as to support communication between Teleworker / Branch Office locations
- Powered via Power over Ethernet (PoE); Optional PoE Universal Power Adapter or Multi-port PoE Gigabit (Gb) Switch also available
- Technology designed to resist GSM interference from mobile phones and other wireless devices, delivering clear communications without noise distractions
- Audio and in-room display option for small meeting rooms

## TECHNICAL SPECIFICATIONS

### PRODUCT VARIANTS

- UC360: Audio Conference Bridge with In-room Collaboration (PN 50006580)
- UC360: Audio and Video Conference Bridge with In-Room and Remote Collaboration (PN 50006591)

### SYSTEM REQUIREMENTS

- Mitel Communications Director (MCD), Release 5.0 SP2
- Mitel Border Gateway (MBG), Release 7.1

### POWER

- IEEE 802.3at Power over Ethernet (Class 4) compliant
- Optional Gb PoE Adapter, Universal, 90-264 V, 48 VDC 50 – 60 Hz (PN 51301151)
- Optional Multi-port Gb PoE Adapter, Universal, 90-264 V, 48VDC 50 – 60 Hz (PN 51301282)

### POWER CONSUMPTION

	10/100 Mb Mode	Gb Mode
Idle	4.5 W	5.7 W
Typical	8.1 W	9.2 W
Maximum	16.2 W	20.0 W

### DISPLAY

- Resolution: 1024 x 600
- Size: seven inch
- Color multi-touch TFT display
- Backlit display with adjustable brightness

### KEYPAD / FEATURE KEYS

- Standard 12-key touch screen based keypad (0 – 9, \*, #)
- Five off-display touch buttons with icons for dedicated Home, Menu, Back, Mute, Volume Up/ Down functions

### AUDIO FEATURES

- Beam-forming microphone array – 16 microphones
- Frequency Response: 150 Hz to 22 kHz
- 13 ft (4 m) microphone pickup
- Maximum Speaker Volume: 80 dB at 1 meter peak volume
- Speaker / Ringing Volume range: 36 dB over 12 steps (volume remains at last setting used)
- Full-duplex speakerphone for natural conversation
- Volume control settings with on-screen display indication
- Automatic Gain Control (Beam former)
- Voice activity detection
- DTMF tone generation / DTMF event RTP payload
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment
- Acoustic echo cancellation
- Supported Codecs: G.711 (A-law and u-law): G.729a, G.722, G.722.1

### ROOM SIZE (MAXIMUM)

- 9,800 feet<sup>3</sup> (277 m<sup>3</sup>)
- 35 x 35 feet (10.7 x 10.7 m)

### VIDEO AND COLLABORATION FEATURES

- Up to four-party Video Conference (one local and three remote)
- H.264 support
- 720p x 30 frames per second (video)
- 1080p (in-room presentation)

## PERIPHERAL DEVICE SUPPORT

- HDMI Display
- HDMI Projector / Pico Projector
- Ethernet (LAN) Video Camera
- USB keyboard and mouse (wireless recommended)

## CAMERA SPECIFICATIONS / REQUIREMENTS

- ONVIF compliant Ethernet camera (Open Network Video Interface Forum)
- Supports H.264 video compression
- Supports video resolution up to 720p @ 30 fps
- Supports video streaming via RTP over UDP
- Provides a 10BASE-T/100BASE-TX Ethernet network interface

## SIP CALL HANDLING FEATURES

- Make Calls
- Receive Calls
- Advanced built-in four-party conferencing
- Call Hold / Retrieve
- Speakerphone Volume Controls
- Mute
- Ringing Volume Controls
- Configurable dialing plan support
- Search function
- One-touch contacts speed dial

## TONE PLANS

UC360 can be configured to generate country specific call progress tones. Tone plans are supported for the following countries or regions: Australia, Canada, France, Germany, Italy, Latin America (Argentina, Chile, Mexico), Netherlands, New Zealand, Portugal, Spain, UK, USA

## OTHER FEATURES

- SIP Resiliency
- Status Bar: Network Status
- Settings: Brightness, Clean Mode, Advanced Settings, Date and Time, System Settings, Login / Logout, Language, Keyboard
- Time and date display / call timer
- Corporate Directory (Active Directory / LDAP) support
- Multilingual Support: English, French (Canadian), Spanish (European), Spanish (Latin American), Dutch, German, Italian, Portuguese (European), Portuguese (Brazilian)
- Called, calling, connected party information
- LED ring with dual-colour (Blue / Red) LEDs (for ringing, mute, idle, alerting, and microphone beam indications)

## INTERFACES / CONNECTORS

- Ethernet 10/100/1000 Base-T with PoE (RJ45)
- HDMI (Type A) connector (HDMI version 1.4a)
- USB 2.0 (Type A) interface (2)
- Micro SD Card slot
- External Audio input jack 3.5mm TRS (hardware only; not supported in Rel. 1.0)

## NETWORK AND PROVISIONING

- IP Address Configuration: DHCP and Static IP
- Voice QoS Support: IEEE 802.1p/q tagging (VLAN), Layer 3 TOS and DSCP
- Network Address Translation (NAT) support (MBG)
- Backup import / export
- Status and statistics (Debugging Settings)
- Reset to factory default

## SECURITY

- Standard SRTP \*
- TLS \*
- Password login
- Password protected Settings (Administrator Access only) IEEE 802.1x
- \* Not currently supported on MCD

## MTBF RATE

- 40.0 Years

## REGULATORY STANDARDS

### SAFETY

USA	UL 60950-01
Canada	CSA C22.2 No. 60950-1-07
Europe	EN 60950 EN 60950-1
Australia / New Zealand	AS / NZS 60950-1
Mexico	NOM-019-SCFI-1994

### EMC

USA	FCC (47 CFR Part 15) (Class B)
Canada	ICES-003 (Class B)
Europe	EN55022 (Class B) EN55024: 1998 + A1:2001 + A2:2003 EN61000-3-2:2006 - EMC, Part 3-2 EN 61000-3-3:1995 + A1:2001
Australia / New Zealand	AS / NZS CISPR 22 (Class B)

## TELECOM / NETWORK

USA	FCC (47 CFR Part 68)
Canada	CS-03, CP-01
Europe	TBR-4, TBR-12, TBR-3, ETSI 203 021,
Australia	S002, S003, S038
New Zealand	PTC220 / TNA 134

## ACOUSTIC – REGULATORY

USA	ANSI/TIA 810-B ITU-T p.340
North America	TIA/-920, (DEC/02)

## PROTOCOL SUPPORT

- SIP
- H.264 Video Codec

## UC360 SHIPS WITH:

- UC360 Collaboration Point unit
- 7 foot (2 m) CAT5e Ethernet LAN cable
- 10 foot (3 m) HDMI cable
- UC360 Installation Guide

## ENVIRONMENTAL CONDITIONS

	Temperature	Humidity
Operational	0°C to +49°C (+32°F to 120°F)	15% – 95%, non-condensing
Storage	-30°C to +66°C (-22°F to +150°F)	15% – 95%, non-condensing

## WARRANTY

1 year

## PHYSICAL DIMENSIONS

	Size (L x W x H)	Weight
UC360 Only	13.5 in x 8.7 in x 2.8 in (35 cm x 22 cm x 7 cm)	2.85 lbs (1.3 Kg)
Boxed	18.5 in x 10.5 in x 5.5 in (44 cm x 26.5 cm x 14 cm)	4.4 lbs (2.0 Kg)

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