**SECTION 27 41 16**

**INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT**

**GUIDE SPECIFICATION**

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*Specifier: Please see PART 4 for a listing of products specified in this Guide Specification.*

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# **GENERAL**

## **SUMMARY**

### Section Includes:

#### Unified Communications and Collaboration Systems

## **RELATED REQUIREMENTS**

### Section 27 15 00 - Communications Horizontal Cabling

### Section 27 41 16 - Audio-Video Systems and Equipment

## **REFERENCES**

### Abbreviations and Acronyms

#### ACS - Audio Conference System

#### UC - Unified Communications

#### UCS - Unified Communication System

# **PRODUCTS**

## **TABLETOP CONFERENCE SYSTEMS**

### Basis of Design Tabletop ACS for Large Rooms:

#### Crestron UC-M70-UA

*Specifier Note:*

*The UC-M70-UA provides a complete audio conference room solution for open-platform UC applications. It features the Crestron Flex tabletop conferencing device, one mic pod, cables, and power supply.*

*https://www.crestron.com/Products/Workspace-Solutions/Unified-Communications/Crestron-Flex-Tabletop-Conferencing-Systems/UC-M70-UA*

### Basis of Design Tabletop ACS for Medium Rooms:

#### Crestron UC-M50-UA

*Specifier Note:*

*The UC-M50-UA provides a complete audio conference room solution for open-platform UC applications. It features the Crestron Flex tabletop conferencing device, cables, and power supply.*

*https://www.crestron.com/Products/Workspace-Solutions/Unified-Communications/Crestron-Flex-Tabletop-Conferencing-Systems/UC-M50-UA*

### System Components:

#### The Tabletop UCS shall be composed of the following discrete components:

##### Main console unit:

###### Main console unit integrated components:

Microphone

Speaker

User interface

###### Main console unit integrated connections:

LAN port

Optional external microphone connection

##### Table Microphone

*Specifier Note:*

*CCS-UCA-MIC*

*The add on extension microphone is included with the UC-M70-UA and is an optional accessory for the UC-M50-UA.*

*For additional information see:*

*https://www.crestron.com/Products/Audio/Microphones/Wired-Microphones/CCS-UCA-MIC-KIT*

### External Device and System Integration Capability

#### Cloud based management service by same manufacturer

#### Mobile phone with Bluetooth

#### SIP compliant phone system

### Speakerphone

#### The Tabletop UCS shall include full-duplex speakerphone support for the following:

##### Bluetooth paired mobile device

##### Laptop Softphone

##### VoIP systems

### Touch Screen User Interface

#### The Tabletop UCS shall include an integrated touch screen user interface with the following capabilities:

##### Answering voice calls

##### Dialing voice calls

##### Muting microphone(s)

### Network Management

#### The UCS shall support Cloud-Based management software by same manufacturer:

##### Cloud-based software shall support UCS configuration in advance of hardware installation, with touchless updates following installation.

*Specifier Note:*

*See the following link for additional information:*

*https://www.crestron.com/xiocloud*

# **EXECUTION**

*NOT USED in this Guide Specification. Specifier shall Specify PART 3 On-Site work as needed.*

# **APPENDICES**

## **SPECIFIED PRODUCTS**

*Specifier Note: This Article includes Crestron products specified in this Guide Specification document. This Article is for reference only and should not be required in actual project manual unless included in an overall system equipment list.*

### Crestron UC-M70-UA

### Crestron UC-M50-UA