**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**

*NOT USED in this Guide Specification. Specifier shall Specify PART 1 administrative and procedural requirements as needed.*

# **PRODUCTS**

## **Multimedia Presentation Gateway**

*Specifier Note:*

*The AirMedia Series 3 Family (AM-3200-WF-I, AM-3200-WF, AM-3200, AM-3100-WF, AM-3100-WF-I) enables secure wireless collaboration in the modern digital workspace. Easy to deploy and manage, install the Receiver in conference rooms, huddle rooms, lounges, lobbies, or almost any space to establish a productive meeting environment.*

### Basis of Design Wireless Presentation Gateway:

#### Crestron AM-3100

*Specifier Notes:*

*AM-3100-WF [built-in WiFi]*

*https://www.crestron.com/Products/Workspace-Solutions/Wireless-Presentation-Solutions/Crestron-AirMedia-Presentation-Systems/AM-3100-WF*

*AM-3100-WF-I [International version with built-in WiFi]*

*https://www.crestron.com/Products/Workspace-Solutions/Wireless-Presentation-Solutions/Crestron-AirMedia-Presentation-Systems/AM-3100-WF-I*

#### Crestron AM-3200

*Specifier Notes:*

*AM-3200*

*https://www.crestron.com/Products/Workspace-Solutions/Wireless-Presentation-Solutions/Crestron-AirMedia-Presentation-Systems/AM-3200*

*AM-3200-WF [built-in WiFi]*

*https://www.crestron.com/Products/Workspace-Solutions/Wireless-Presentation-Solutions/Crestron-AirMedia-Presentation-Systems/AM-3200-WF*

*AM-3200-WF-I [International version with built-in WiFi]*

*https://www.crestron.com/Products/Workspace-Solutions/Wireless-Presentation-Solutions/Crestron-AirMedia-Presentation-Systems/AM-3200-WF-I*

### General Functionality

#### Content View

##### The device shall support dual source view of two separate content devices.

##### Content view shall support a light theme and a dark theme background.

#### User Support

##### Status of connected user shall be viewable on status page.

##### The device shall support up to ten connected presenter users.

#### Gateway shall be fully functional as a stand-alone source device when used with a connected display and supported networked mobile device or desktop/laptop.

#### Gateway shall support presentation of content from multiple connection types

##### Wireless through USB-C adaptor

##### Network connected devices

##### Directly connected devices via built-in HD video connection(s).

#### Gateway shall support multiple network connected device types as sources for content output

##### Compatible digital signage systems

##### Desktop computers

##### Laptop computers

##### Smartphones

##### Tablet computers

#### Gateway shall support integration with scheduling software

##### Google Calendar

##### Microsoft Office 365

##### Microsoft Outlook

##### Scheduling and management software by same manufacturer

#### Gateway shall support remote cloud provisioning software integration

##### Cloud provisioning and management software by same manufacturer

#### Gateway shall support multiple methods of automatic on and off power control of connected display device

##### CEC

##### IR commands

##### Serial commands

#### Gateway shall support display of digital signage content when primary wired or networked source are not active

#### Gateway shall display customizable user guidance instructions on connected display

#### Presenter Device Support

##### Gateway shall support multiple user device types and Operating Systems:

###### Laptop and desktop computers:

Windows XP, Windows Vista, Windows 7, Windows 8, Window 10, Mac OS X (versions 10.5 thru 10.11)

###### Mobile Devices:

Apple iOS, Android, Chrome OS

##### Gateway shall support remote provisioning and management

### Automation Functions

#### The presentation gateway shall support direct integration with room occupancy sensors form same manufacturer.

### Control Functions

#### The presentation gateway shall support manual control by networked touch screen by same manufacturer.

#### Optional touch screen shall support source selection, display power control and device audio control.

#### Gateway shall support control of source selection and user control via Windows or Mac Applications.

#### Control up to ten sources or users in a collabaration session

#### Support for collaborative sessions with multiple users or sources and sharing up to 2 sources on the screen

### Architecture

#### Physical Form factor

##### Surface mount via integrated flange

### Communication

#### Dedicated LAN Connection

##### 10/100 Mbps, auto-switching, auto-negotiating, full/half duplex, DHCP, SSL, TLS, SSH, SNMP, IPv4, HTTPS web server

### Audio

#### Audio Format: Stereo

### Video

#### Video Frame Rate Supported: up to 30 fps

#### Supported Resolutions

##### 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x720@50Hz (720p50), 1280x720@60Hz (720p60), 1280x800@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@50Hz (1080p50), 1920x1080@60Hz (1080p60), 1920x1200@60Hz

# **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 AM-3100

### Crestron AM-3200