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

## 2-input USB 3.2 Matrix Switcher

Specifier Note:

*The USB-SW-200 2-input USB 3.2 Matrix Switcher provides a plug-and-play, point-to-point solution for quickly connecting and sharing USB devices. Easily route USB data from the six device USB ports to two host devices.*

### Basis of Design

#### Crestron USB-SW-200

### Device Definition

#### Device with the following characteristics:

##### Full matrix USB 3.2 switching

##### Two USB-C host ports and six device USB ports

##### 10 Gbps SuperSpeed+ USB 3.2 support

##### Automatic and priority USB routing

##### Mouse-based and keyboard shortcut host switching

##### Option to lock devices to single USB host

##### Keepalive emulation for connected devices

##### Operation via front panel buttons or web interface

##### Integration with Rest API and proprietary programming processes by same manufacturer

##### Support for standard network security protocols such as 802.1x, Active Directory authentication, SSH, SSL, and secure CIP

##### Support for proprietary remote configuration and monitoring software by same manufacturer

### Device Architecture

#### Construction

##### Chassis: Metal, black finish

##### Mounting: Freestanding or surface mount

##### Dimensions

###### Height: 1.12 in. (28 mm)

###### Width: 8.36 in. (212 mm)

###### Depth: 5.04 in. (128 mm)

##### Weight: 1.4 lb. (0.63 kg)

##### Environmental Operating Conditions

###### Temperature: 32° to 104° F (0° to 40° C)

###### Humidity: 10% to 95% RH (non-condensing)

### Connectors

#### HOST 1-2: (2) USB-C 3.2 Gen 2 connectors

#### DEVICE 1-4

##### (2) USB-C 3.2 Gen 2 connectors; Provides up to 15 W of power over USB

##### (2) USB-A 3.2 connectors; Provides up to 4.5 W of power over USB

#### DEVICES HID

##### (2) USB-A 2.0 connectors

###### USB 2.0/1.1 port for keyboard and mouse

###### Provides up to 2.5 W of power over USB

#### LAN

##### (1) 8-pin RJ45 connector

##### 100Base-TX/1000Base-T Ethernet port

#### 24 V 4A

##### (1) DC power connector

##### 24 VDC power input

#### INPUT: (1) 3-pin I/O connector

#### SERVICE: (1) USB-A connector

### Controls and Indicators

#### PWR

##### (1) Multicolor LED, indicates operating power supplied

#### SETUP

##### (1) LED

##### (1) Recessed push button for onscreen IP address display

#### AUTO

##### (1) LED

##### (1) Push button for selecting auto-switching mode

#### HOST 1-2

##### (2) LEDs

##### (2) Push buttons for manual routing

### Power

#### Power Pack: 4 A @ 24 VDC

#### Power Consumption: 46 W

### Compliance

#### Regulatory Model: M202208001

#### Intertek® Listed for US and Canada

## 4-input USB 3.2 Matrix Switcher

Specifier Note:

*The USB-SW-400 4-input USB 3.2 Matrix Switcher provides a plug-and-play, point-to-point solution for quickly connecting and sharing USB devices. Easily route USB data from the six device USB ports to four host devices.*

### Basis of Design

#### Crestron USB-SW-400

### Device Definition

#### Device with the following characteristics:

##### Full matrix USB 3.2 switching

##### Four USB-C host ports and six device USB ports

##### 10 Gbps SuperSpeed+ USB 3.2 support

##### Automatic and priority USB routing

##### Mouse-based and keyboard shortcut host switching

##### Option to lock devices to single USB host

##### Keepalive emulation for connected devices

##### Operation via front panel buttons or web interface

##### Integration with Rest API and proprietary programming processes by same manufacturer

##### Support for standard network security protocols such as 802.1x, Active Directory authentication, SSH, SSL, and secure CIP

##### Support for proprietary remote configuration and monitoring software by same manufacturer

### Device Architecture

#### Construction

##### Chassis: Metal, black finish

##### Mounting: Freestanding or surface mount

##### Dimensions

###### Height: 1.12 in. (28 mm)

###### Width: 8.36 in. (212 mm)

###### Depth: 5.04 in. (128 mm)

##### Weight: 1.4 lb. (0.63 kg)

##### Environmental Operating Conditions

###### Temperature: 32° to 104° F (0° to 40° C)

###### Humidity: 10% to 95% RH (non-condensing)

### Connectors

#### HOST 1-4: (4) USB-C 3.2 Gen 2 connectors

#### DEVICE 1-4

##### (2) USB-C 3.2 Gen 2 connectors; Provides up to 15 W of power over USB

##### (2) USB-A 3.2 connectors; Provides up to 4.5 W of power over USB

#### DEVICES HID

##### (2) USB-A 2.0 connectors

###### USB 2.0/1.1 port for keyboard and mouse

###### Provides up to 2.5 W of power over USB

#### LAN

##### (1) 8-pin RJ45 connector

##### 100Base-TX/1000Base-T Ethernet port

#### 24 V 4A

##### (1) DC power connector

##### 24 VDC power input

#### INPUT: (2) 3-pin I/O connectors

#### SERVICE: (1) USB-A connector

### Controls and Indicators

#### PWR

##### (1) Multicolor LED, indicates operating power supplied

#### SETUP

##### (1) LED

##### (1) Recessed push button for onscreen IP address display

#### AUTO

##### (1) LED

##### (1) Push button for selecting auto-switching mode

#### HOST 1-4

##### (4) LEDs

##### (4) Push buttons for manual routing

### Power

#### Power Pack: 4 A @ 24 VDC

#### Power Consumption: 47 W

### Compliance

#### Regulatory Model: M202208001

#### Intertek® Listed for US and Canada

# 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 USB-SW-200

### Crestron USB-SW-400

## Input / Output Connection Diagrams

### USB-SW-200



### USB-SW-400

