SECTION 27 41 16

INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT

GUIDE SPECIFICATION

Specifier: The Specifier/Design Professional is responsible for the accuracy of all project specifications, including system application and coordination with related sections. This guide specification is provided as a convenience and requires editing to match actual project requirements. CRESTRON ELECTRONICS, INC. SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE USE OF ANY OF ITS GUIDE SPECIFICATIONS. For Crestron design assistance and design review please contact Sales Support Services Department at 800.237.2041 or techsales@crestron.com.

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

Table of Contents

1 GENERAL 3

2 PRODUCTS 3

2.1 3.5 in. Desk Scheduling Touch Screen 3

2.1.1 Basis of Design 3

2.1.2 Device Definition 3

2.1.3 Device Architecture 4

2.1.4 Functions 4

2.1.5 Connectors 5

2.1.6 Controls and Indicators 6

2.1.7 Power 6

2.1.8 Compliance 7

2.2 3.5 in. Desk Scheduling Touch Screen, International 7

2.2.1 Basis of Design 7

2.2.2 Device Definition 7

2.2.3 Device Architecture 8

2.2.4 Functions 8

2.2.5 Connectors 10

2.2.6 Controls and Indicators 10

2.2.7 Power 10

2.2.8 Compliance 11

3 EXECUTION 11

4 APPENDICES 11

4.1 SPECIFIED PRODUCTS 11

4.1.1 Crestron TSS-470E-B-T 11

4.1.2 Crestron TSS-470E-B-T-I 11

4.2 Input / Output Connection Diagrams 11

4.2.1 TSS-470E-B-T 11

# GENERAL

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

# PRODUCTS

## 3.5 in. Desk Scheduling Touch Screen

Specifier Note:

*The Crestron® TSS-470E-B-T touch screen is designed to enhance and simplify desk scheduling across an enterprise. The TSS-470E-B-T can be installed within a hoteling space to provide a clear indication of its availability and schedule. The TSS-470E-B-T also integrates seamlessly with a variety of popular scheduling services.*

### Basis of Design

#### Crestron TSS-470E-B-T

### Device Definition

#### Desk Scheduling Touch Screen with the following characteristics:

##### 3.5 in. (89 mm) capacitive touch screen display

##### Support for proprietary desk scheduling application by same manufacturer

##### Support for third-party scheduling applications

##### Support for proprietary cloud-based provisioning, monitoring, and management service by same manufacturer

##### Integrated RGB LED lightbar for visual indication of desk availability

##### Operating power obtained through Power over Ethernet (PoE) or local power supply

##### 802.11a/b/g/n/ac Wi-Fi connectivity

##### Support for the following network security protocols:

###### 802.1X network access control

###### Active Directory® service authentication

###### SSH

###### TLS

###### HTTPS

##### Support for SNMP

##### Support for mounting accessories to allow touch screen to be installed in a variety of desk scheduling spaces

### Device Architecture

#### Construction

##### Housing: Plastic, textured black finish, edge-to-edge glass with black surround

##### Mounting: Wall and surface mount, tabletop mount, and multi surface mount options available

##### Dimensions

###### Height: 3.95 in. (100 mm)

###### Width: 3.95 in. (100 mm)

###### Depth: 1.33 in. (34 mm)

##### Weight: 5.4 oz (155 g)

##### Environmental Operating Conditions

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

###### Humidity: 10% to 90% RH (noncondensing)

### Functions

#### Touch Screen Display

##### Display Type: Transflective LCD, backlit

##### Size: 3.5 in. (89 mm) diagonal

##### Resolution: 480 x 320 pixels

#### Graphics Engine

##### Onscreen keyboard

##### Native desk scheduling application

##### Setup and diagnostics via proprietary cloud-based service

##### Web browser or on-screen UI

#### Desk Scheduling Support

##### Proprietary scheduling app by same manufacturer supports Microsoft Office 365® software

##### Device includes support for various third-party scheduling applications

#### Languages

##### User Interface: English (US)

#### Memory

##### RAM: 1 GB

##### Storage: 8 GB SD Card

#### Wired Communications

##### Ethernet

###### 100/1000 Mbps, autoswitching, autonegotiating, autodiscovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP, IEEE 802.1X, SNMP, IPV4, HTTPS web browser setup, proprietary cloud-based service client, IEEE 802.3at compliant

##### USB: USB 2.0 host

#### Wireless Communications

##### Transceiver: IEEE 802.11a/b/g/n/ac Wi-Fi® communications (2.4 or 5 GHz 2-way RF), static IP or dynamic IP via DHCP

##### Security: 64 and 128-bit WEP, WPA, and WPA2-PSK with TKIP and AES

##### Range: Up to 50 ft. (15 m)

Specifier Note:

*Wireless range subject to site-specific conditions.*

### Connectors

#### LAN PoE

##### One (1) 8-pin RJ45 connector, female, with 2 LED indicators

##### 100BASE-TX/1000BASE-T Ethernet port, Power over Ethernet (PoE) compliant

##### Green and yellow LEDs indicate Ethernet port status

#### 24 V 0.75 A

##### One (1) 2.1 x 5.5 mm DC power connector

##### 24 VDC power input

##### Compatible power pack by same manufacturer available, sold separately

#### USB C

##### (1) USB Type-C® connector, female

##### USB 2.0 host port

##### For future use with supported accessories by same manufacturer

### Controls and Indicators

#### Reset

##### One (1) recessed push button on rear panel for hardware reset

#### Light Bar

##### One (1) RGB LED light bar

##### Supports alternating green/red indication of desk availability

##### Supports RGB color mixing

### Power

#### PoE (Power over Ethernet)

##### IEEE 802.3at Type 1 Class 3 (12.95 W) compliant

##### Compatible with IEEE 802.3af compliant Ethernet switch or third-party PoE-compliant PSE

#### Power Pack

##### Input: 100-240 VAC, 50/60 Hz

##### Output: 0.75 A @ 24 VDC

##### Power Consumption: 3 W (typical)

##### Power pack by same manufacturer

### Compliance

#### Regulatory Model: M202138001

#### FCC Part 15 Class B digital device, IC, CE, Intertek® Listed for US and Canada

## 3.5 in. Desk Scheduling Touch Screen, International

Specifier Note:

*The Crestron® TSS-470E-B-T-I touch screen is designed to enhance and simplify desk scheduling across an enterprise. The TSS-470E-B-T can be installed within a hoteling space to provide a clear indication of its availability and schedule. The TSS-470E-B-T-I also integrates seamlessly with a variety of popular scheduling services.*

### Basis of Design

#### Crestron TSS-470E-B-T-I

### Device Definition

#### Desk Scheduling Touch Screen with the following characteristics:

##### 3.5 in. (89 mm) capacitive touch screen display

##### Support for proprietary desk scheduling application by same manufacturer

##### Support for third-party scheduling applications

##### Support for proprietary cloud-based provisioning, monitoring, and management service by same manufacturer

##### Integrated RGB LED lightbar for visual indication of desk availability

##### Operating power obtained through Power over Ethernet (PoE) or local power supply

##### 802.11a/b/g/n/ac Wi-Fi connectivity

##### Support for the following network security protocols:

###### 802.1X network access control

###### Active Directory® service authentication

###### SSH

###### TLS

###### HTTPS

##### Support for SNMP

##### Support for mounting accessories to allow touch screen to be installed in a variety of desk scheduling spaces

### Device Architecture

#### Construction

##### Housing: Plastic, textured black finish, edge-to-edge glass with black surround

##### Mounting: Wall and surface mount, tabletop mount, and multi surface mount options available

##### Dimensions

###### Height: 3.95 in. (100 mm)

###### Width: 3.95 in. (100 mm)

###### Depth: 1.33 in. (34 mm)

##### Weight: 5.4 oz (155 g)

##### Environmental Operating Conditions

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

###### Humidity: 10% to 90% RH (noncondensing)

### Functions

#### Touch Screen Display

##### Display Type: Transflective LCD, backlit

##### Size: 3.5 in. (89 mm) diagonal

##### Resolution: 480 x 320 pixels

#### Graphics Engine

##### Onscreen keyboard

##### Native desk scheduling application

##### Setup and diagnostics via proprietary cloud-based service

##### Web browser or on-screen UI

#### Desk Scheduling Support

##### Proprietary scheduling app by same manufacturer supports Microsoft Office 365® software

##### Device includes support for various third-party scheduling applications

#### Languages

##### User Interface: English (US)

#### Memory

##### RAM: 1 GB

##### Storage: 8 GB SD Card

#### Wired Communications

##### Ethernet

###### 100/1000 Mbps, autoswitching, autonegotiating, autodiscovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP, IEEE 802.1X, SNMP, IPV4, HTTPS web browser setup, proprietary cloud-based service client, IEEE 802.3at compliant

##### USB: USB 2.0 host

#### Wireless Communications

##### Transceiver: IEEE 802.11a/b/g/n/ac Wi-Fi® communications (2.4 or 5 GHz 2-way RF), static IP or dynamic IP via DHCP

##### Security: 64 and 128-bit WEP, WPA, and WPA2-PSK with TKIP and AES

##### Range: Up to 50 ft. (15 m)

Specifier Note:

*Wireless range subject to site-specific conditions.*

### Connectors

#### LAN PoE

##### One (1) 8-pin RJ45 connector, female, with 2 LED indicators

##### 100BASE-TX/1000BASE-T Ethernet port, Power over Ethernet (PoE) compliant

##### Green and yellow LEDs indicate Ethernet port status

#### 24 V 0.75 A

##### One (1) 2.1 x 5.5 mm DC power connector

##### 24 VDC power input

##### Compatible power pack by same manufacturer available, sold separately

#### USB C

##### (1) USB Type-C® connector, female

##### USB 2.0 host port

##### For future use with supported accessories by same manufacturer

### Controls and Indicators

#### Reset

##### One (1) recessed push button on rear panel for hardware reset

#### Light Bar

##### One (1) RGB LED light bar

##### Supports alternating green/red indication of desk availability

##### Supports RGB color mixing

### Power

#### PoE (Power over Ethernet)

##### IEEE 802.3at Type 1 Class 3 (12.95 W) compliant

##### Compatible with IEEE 802.3af compliant Ethernet switch or third-party PoE-compliant PSE

#### Power Pack

##### Input: 100-240 VAC, 50/60 Hz

##### Output: 0.75 A @ 24 VDC

##### Power Consumption: 3 W (typical)

##### Power pack by same manufacturer

### Compliance

#### Regulatory Model: M202138001

#### FCC Part 15 Class B digital device, IC, CE, 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 TSS-470E-B-T

### Crestron TSS-470E-B-T-I

## Input / Output Connection Diagrams

### TSS-470E-B-T



Specifier Note: TSS-470E-B-T-I features identical input/output connection diagram to TSS-470E-B-T.