



# Workplace Technology

## Design Guide

## The leader in workplace technology

Crestron has been a global leader in conference room and collaboration solutions for more than four decades. Our success is driven by our people who are committed to excellence and innovation. We continually anticipate change and deliver technology solutions to meet the challenges of tomorrow. Our complete, end-to-end platform empowers the modern workplace, and defines the ultimate luxury lifestyle in the homes of the world's most renowned celebrities, business leaders, and heads of state.

Crestron technology includes audio, video, lighting and shade control, thermostats, room scheduling, data reporting to increase workflow and uptime, and to provide greater comfort and security. Crestron solutions are integral to the daily operations of nearly every Fortune 500® company, hundreds of universities, world-class hotels, iconic entertainment venues, and government and military agencies worldwide.





### Many of the world's leading companies use Crestron solutions:

- Berkshire Partners
- ExxonMobil
- Amazon
- Boeing
- Wells Fargo
- Microsoft
- Comcast
- Johnson & Johnson
- UPS
- Sealed Air
- Convene
- Toyota
- Target
- MetLife
- Pfizer
- AIG
- Lockheed Martin
- Sysco
- Cisco Systems
- Coca-Cola
- Morgan Stanley
- Oracle
- SAS
- SAP
- ConocoPhillips
- Raytheon
- Duke Energy
- Aflac
- CarMax
- PayPal
- Voya Financial
- MGM Resorts
- Charles Schwab
- Booz Allen Hamilton
- Adobe
- Twitter





## Global presence, local support

Our people are dedicated to providing the best service and support in the industry. Crestron has offices in every major market and country around the globe. There are tens of thousands of certified Crestron engineers and technicians ready to assist you if needed. Count on our award-winning True Blue Service and Support Team to handle any issues 24/7 or even go on-site anywhere in the world at a moment's notice.





## Meeting the challenges of the modern workplace

We all know the workplace has changed dramatically: a dispersed workforce; open floor plans; AV on the network; and reliance on mobile devices – not just to communicate, but to present and collaborate, as well. With these innovations come new challenges: how to find and book available meeting spaces; how to start a meeting and use the technology; how to provide a consistent user experience in every space; how to authenticate users, devices, and data to ensure network security; how to deploy and manage more technology in more spaces and locations; and how to support the many different platforms and services employees and guests have on their personal devices. Crestron has you covered.

Our ready-to-deploy meeting spaces make it easy to deliver consistent meeting, presentation, and conferencing experiences on a large scale. Built for the enterprise, Crestron room solutions offer cloud-based provisioning and management, and support standard network security policies. Crestron Fusion® monitoring and scheduling software adds a layer of intelligence to maximize system uptime, and optimize device and room usage.



Conference Room 234

Friday, February 25, 9:34 AM

AVAILABLE FOR NEXT

00 27

HOURS MINUTES

Quarterly Financial Meeting  
Alexandra Block  
10:30 AM - 11:00 AM

Present Wireless  
View www.cresttron.com  
Code 7230

Present Using Callin  
Present using callin provided  
Phone, PC, or Web

CRESTRON

22 Link Room 234

AVAILABLE UNTIL 10:00 AM  
Next Up: Daily Status Meeting

Friday, March 23  
9:34

CRESTRON



## Find and book the right meeting space

One of the most common challenges in the workplace is simply finding the right meeting space. With direct connection to the most popular enterprise calendaring platforms, Crestron makes it simple and convenient to locate and book available meeting spaces from down the hallway, outside the room, inside the room, or on the Crestron PinPoint™ app running on your Apple® iOS® or Android™ device. Using Crestron PinPoint, you can quickly find the right space for your meeting based on availability, proximity, seating capacity, and technology capabilities.

# Locate, reserve, and verify

## In the hallway

With Crestron SSW Room Availability Hallway Signs, all it takes is a quick glance down the hallway to find a free meeting room. The SSW can be custom engraved with the room name or number for easy identification. It connects directly to Crestron room scheduling touch screens mounted below it or to a Crestron control system.

## Outside the room

Stylish Crestron TSW room scheduling touch screens mounted on the wall display detailed room status including the meeting organizer, time, and duration. Available rooms can be reserved on the spot for ad hoc meetings. The touch screens integrate with popular calendaring platforms including Microsoft® Exchange, Office 365®, and G Suite®. HTML 5 support makes it easy to design dynamic, branded graphics and deploy a consistent UX across the enterprise.

## In the room

With Crestron, meeting attendees immediately know if they're in the right room at the right time. The room display clearly indicates meeting details, room availability, and meeting start instructions.





2017

2019

2021

AVAILABLE FOR REST

00 26

HOURS MINUTES

Daily Status Meeting  
Jon Heller  
Today, March 22, 9:34 AM

CRESTRON

# Provide a simple, scalable, consistent user experience

Crestron ready-to-deploy meeting spaces include everything needed to provide the functionality you want and a consistent user experience. Every kit features Crestron AirMedia® wireless presentation capability, and every room has the same touch screen UI and onscreen welcome display. Built on the same platform, all the spaces can be monitored, managed, and controlled from a single dashboard.





# Open Presentation Space CE-500



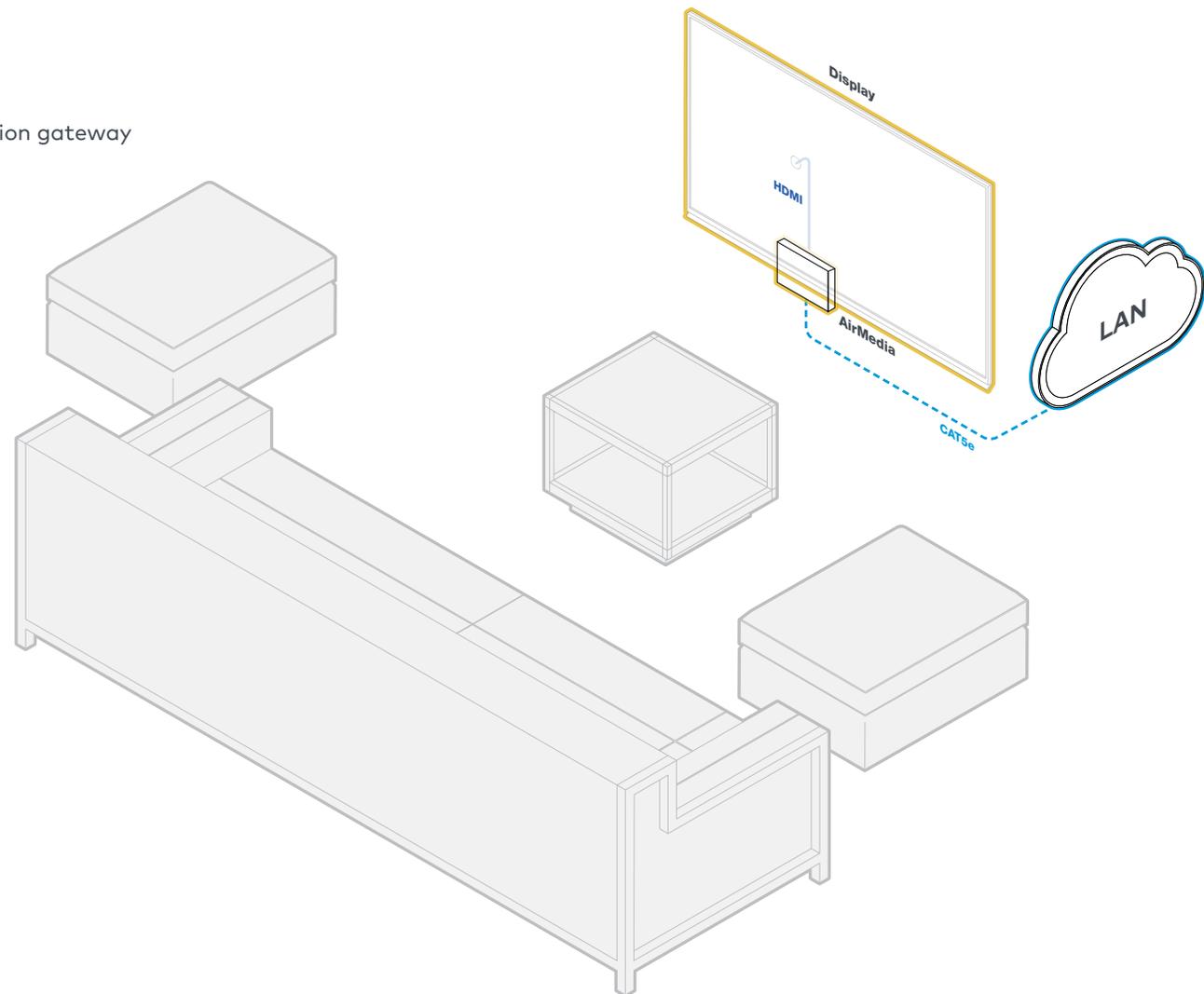
Increase workflow and facilitate collaboration by turning lobbies, lounges, and other open spaces into productive meeting spaces. No furniture, dongles, or new Wi-Fi® networks are needed. AirMedia is the only wireless presentation gateway featuring enterprise management and deployment.

## Benefits

- Wirelessly display documents, presentations, and video
- iOS®, Mac OS®, Android, and Windows® mirroring
- Low bandwidth; use existing Wi-Fi for presentation
- Gateway securely connects to LAN
- Deploy silently enterprise-wide
- Simple, secure guest connectivity
- Quad View
- Auto-disconnect
- Browser-based management

### What's included

- AirMedia wireless presentation gateway
- 6' HDMI cable



# Small to Medium Meeting Room | 4 - 12 people CE-1000



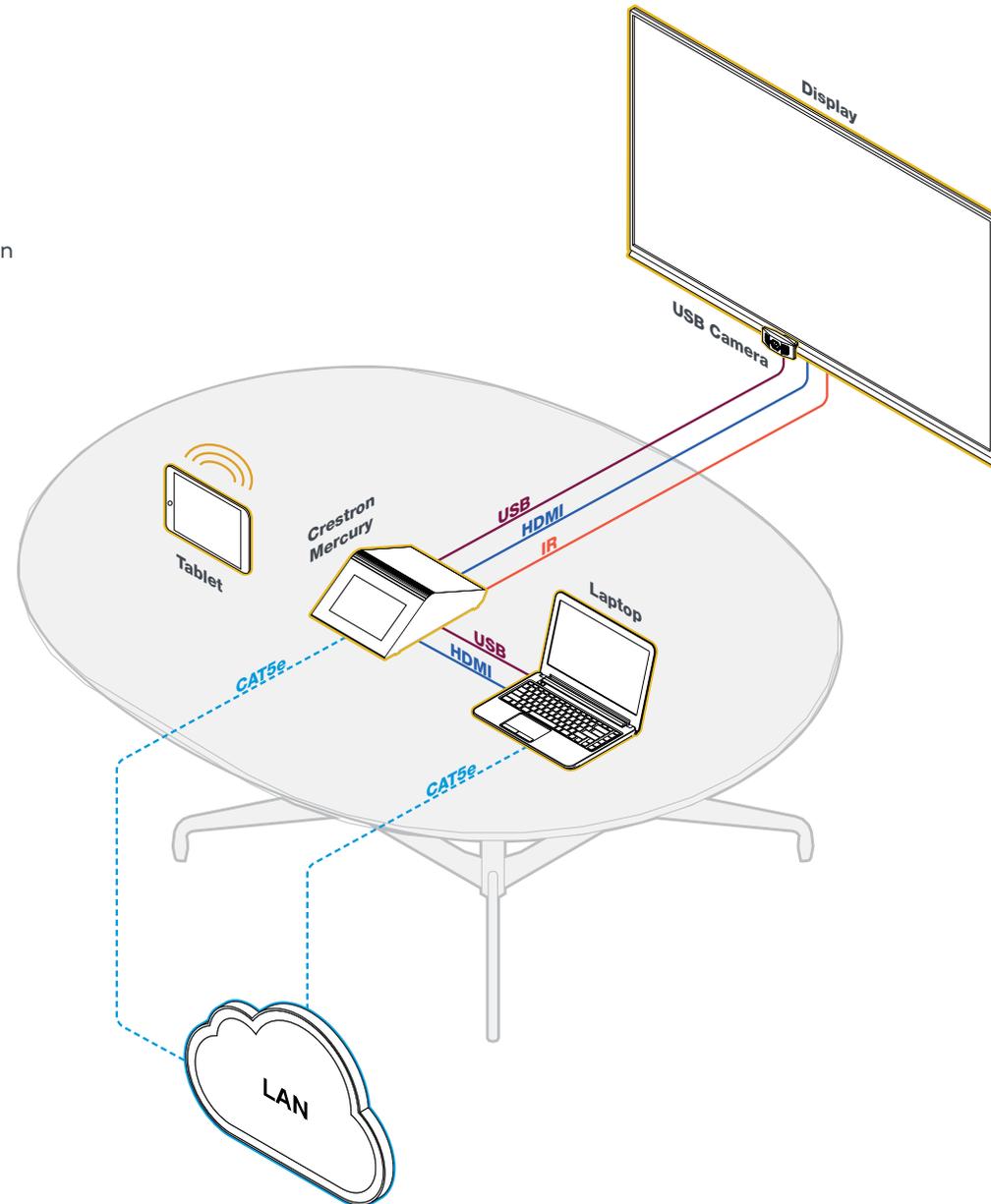
More than just a center of table device, Crestron Mercury™ conference system is the core of modern meeting spaces. You get everything you need to call, present, and video conference using any service. Crestron doesn't lock you into any one proprietary platform. Plus, the audio performance is engineered to the highest standards and cloud provisioning makes it easier to deploy and manage across thousands of rooms.

## Benefits

- Collaborate using any web conferencing or UC service or application
- Present wired or wirelessly
- Full open SIP and Bluetooth® conference phone
- See room availability and meeting details on room display
- Cloud-based provisioning and management
- Gather room usage data with built-in occupancy sensor
- Control the room display via RS-232, CEC, or IR
- Integrated 7-inch touch screen, high-performance speaker, four microphones, AV connectivity, occupancy sensor, and more

### What's included

- Crestron Mercury Tabletop Meeting Solution
- HD conferencing camera
- Infrared control
- 6' HDMI cable
- USB cable
- 15' USB cable extension
- 20' HDMI cable



# Large Meeting Room | 12+ people

CE-2000



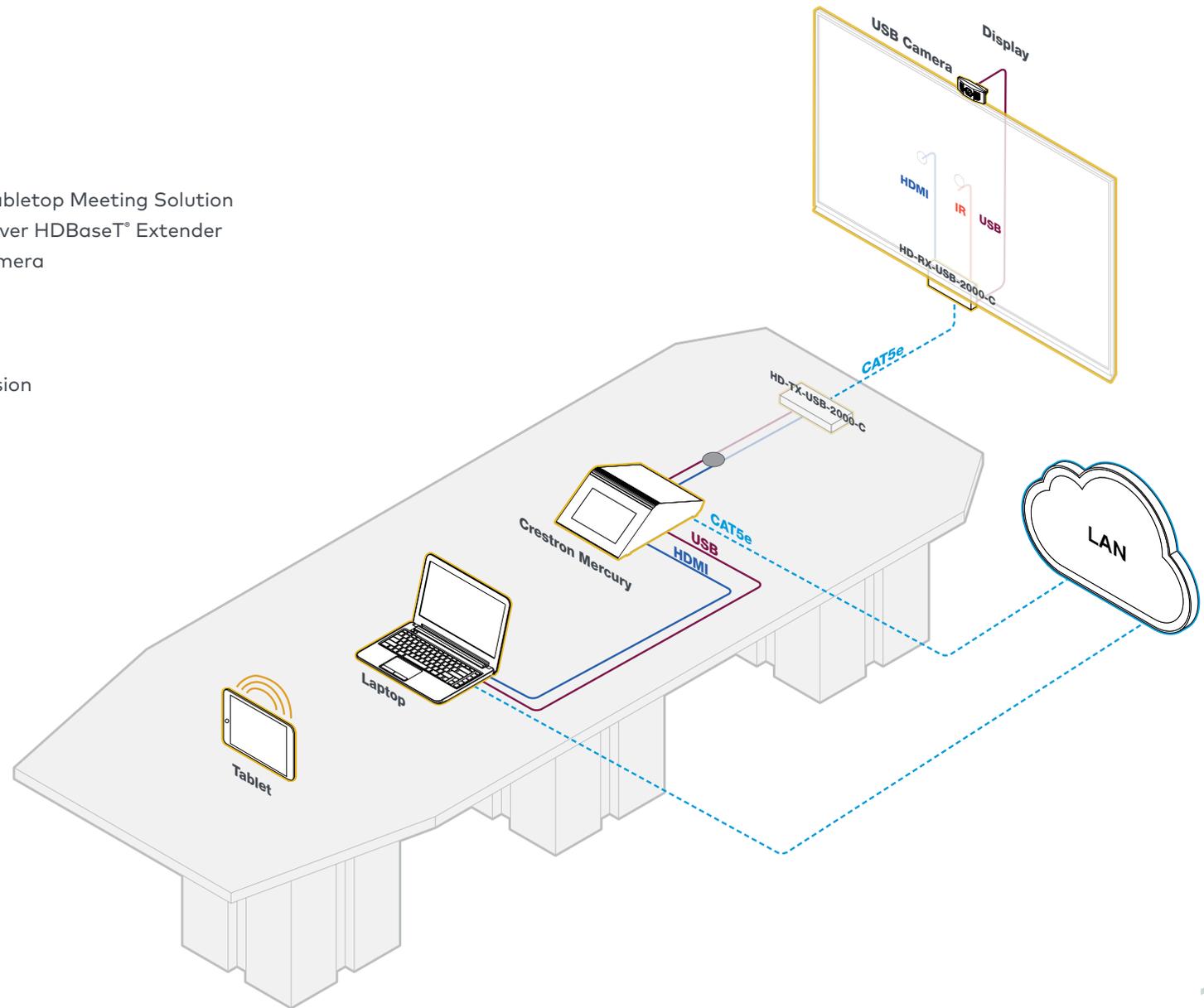
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## What's included

- Crestron Mercury Tabletop Meeting Solution
- 4K HDMI and USB over HDBaseT® Extender
- HD conferencing camera
- Infrared control
- 6' HDMI cables (2)
- USB cable
- 15' USB cable extension
- 20' HDMI cable
- 50' CAT5e plenum



# Presentation Conference Room CE-3000



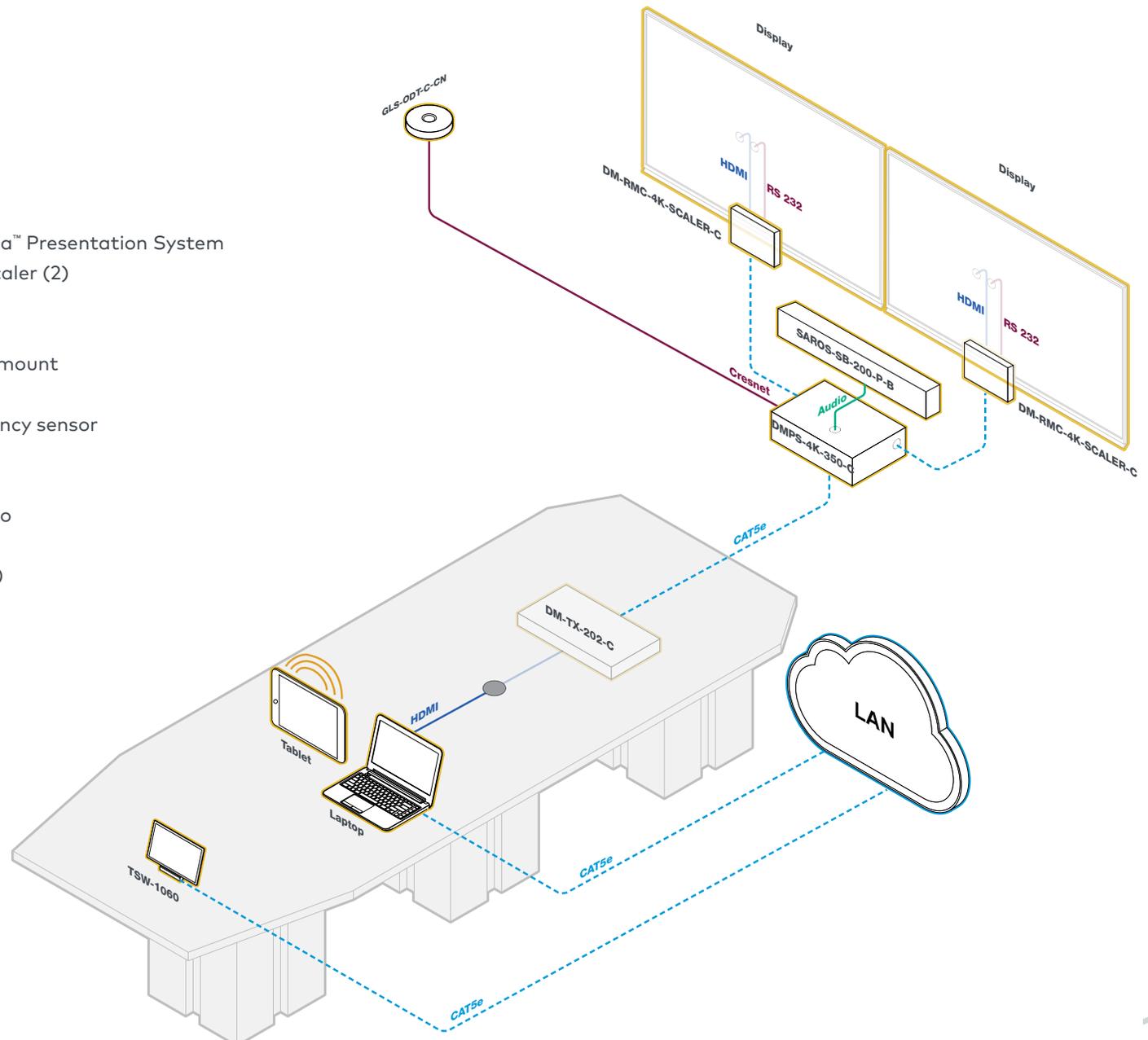
Empower larger meetings in dual-display presentation and video conferencing rooms. Crestron integrates and controls your favorite codec and makes it easy to book rooms, start meetings, share content, collaborate, and control the entire room from a single, intuitive touch screen interface.

## Benefits

- Simple touch screen setup to control either Cisco® or Polycom® codec in the room
- AirMedia wireless presentation from laptops, tablets, and phones
- Present via HDMI in 4K60 and UHD
- See room availability and meeting details on room display
- Easily control all room devices and displays from 10" touch screen
- Display from up to eight sources
- Support for independent dual displays
- Digital signage ready
- Gather room usage data with built-in occupancy sensor

### What's included

- 3-Series® 4K DigitalMedia™ Presentation System
- 4K DM® Receiver with Scaler (2)
- 4K DM Transmitter
- 10" Touch Screen
- Touch Screen table top mount
- Saros® speaker bar
- Dual technology occupancy sensor
- 6' HDMI cable (3)
- 12' HDMI cable (2)
- 12' stereo balanced audio
- 12' serial plug
- 7' CAT5e patch cable (3)
- 50' CAT5e plenum (3)



# Options to customize your spaces

Crestron offers the most powerful, flexible, and scalable enterprise technology platform. Start with our ready-to-deploy meeting spaces and then expand and customize to meet your unique needs.

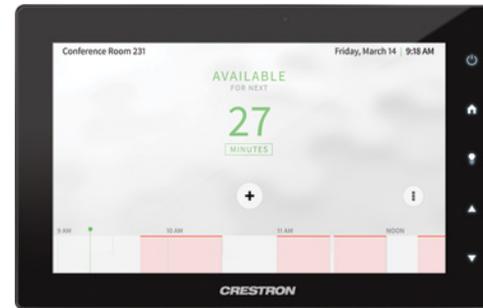
## Room scheduling options



### Room Availability Hallway Sign SSW, SSC

Simple, cost-effective way to make it easy to find a free meeting room with just a quick glance down the hallway.

- Connect to control system or directly to TSW touch screens
- Red/green standard availability or program any color or sequence
- Custom engravable



### Room scheduling touch screens TSW-760, TSW-1060

Connect directly and securely to popular calendaring platforms, making it convenient to book available spaces in advance or for ad hoc meetings.

- 7" and 10" models available in black and white finishes
- Directly connect to Microsoft Exchange, Office 365, and G Suite® software
- HTML 5 support makes it easy to design dynamic graphics, add branded logos, and deploy a consistent UX



## Occupancy sensors

Enable collection of room occupancy and usage data, which helps organizations optimize investments in space and technology.

- Report room usage data back to Crestron Fusion
- Rooms are automatically returned to inventory in event of a "no-show"
- Turn room "on" and "off" automatically



## Crestron Fusion

Available via cloud-based or on-premises deployment, Crestron Fusion monitoring and scheduling software adds a layer of intelligence to turn an organization into a high-performance enterprise. Connecting Crestron room scheduling devices to Crestron Fusion opens up a world of possibilities:

- Room usage data and reporting
- Device monitoring and instant alerts
- View room availability enterprise-wide



## Connectivity options

### FlipTop™ FT-600

Configurable connectivity and control solution in a stylish, space-saving flush-mount tabletop design.



### Crestron Connect It™ Cable Caddy TT-100

Cost-effective tabletop presentation interface offering AV connectivity and one-touch source select in a compact, stylish device that's easy to install.



### USB extender HD-EXT-USB-2000-C

Simple, reliable solution for extending high-speed USB signals up to 100 meters (330 ft) over one CAT5 twisted-pair cable.



### Multi-headed cable CBL-MULTI-HD-6

Supports one 1080p AV source with any one of four output connectors: HDMI®, USB-C™, DisplayPort, and Mini DisplayPort™.

## Enterprise audio options

### Saros® architectural speakers

Sound bar, in-ceiling, surface mount and pendant speakers designed to deliver excellent speech intelligibility and audio reproduction.



### Modular amps

Professional performance, EnergyStar® certification, built-in fault protection, and convenient modular construction.



### Mic pods CCS-UCA-MIC

For Crestron Mercury rooms with longer tables, these microphones provide convenient mute access at every seat.



# Cloud-based deployment and management

Crestron enterprise room solutions reach out to the cloud for easy deployment, management, and usage. Simply assign the room solution to a location, provision based on your corporate business protocol, and it's ready to go. No time consuming programming, no proprietary programming languages. It's simple browser-based management with the network security IT professionals demand.

## Crestron Device Management SaaS

Manage 100 or 1,000 devices in the same amount of time you manage one.

### Integrate

- No programming cloud AV management solution

### Deploy and Manage

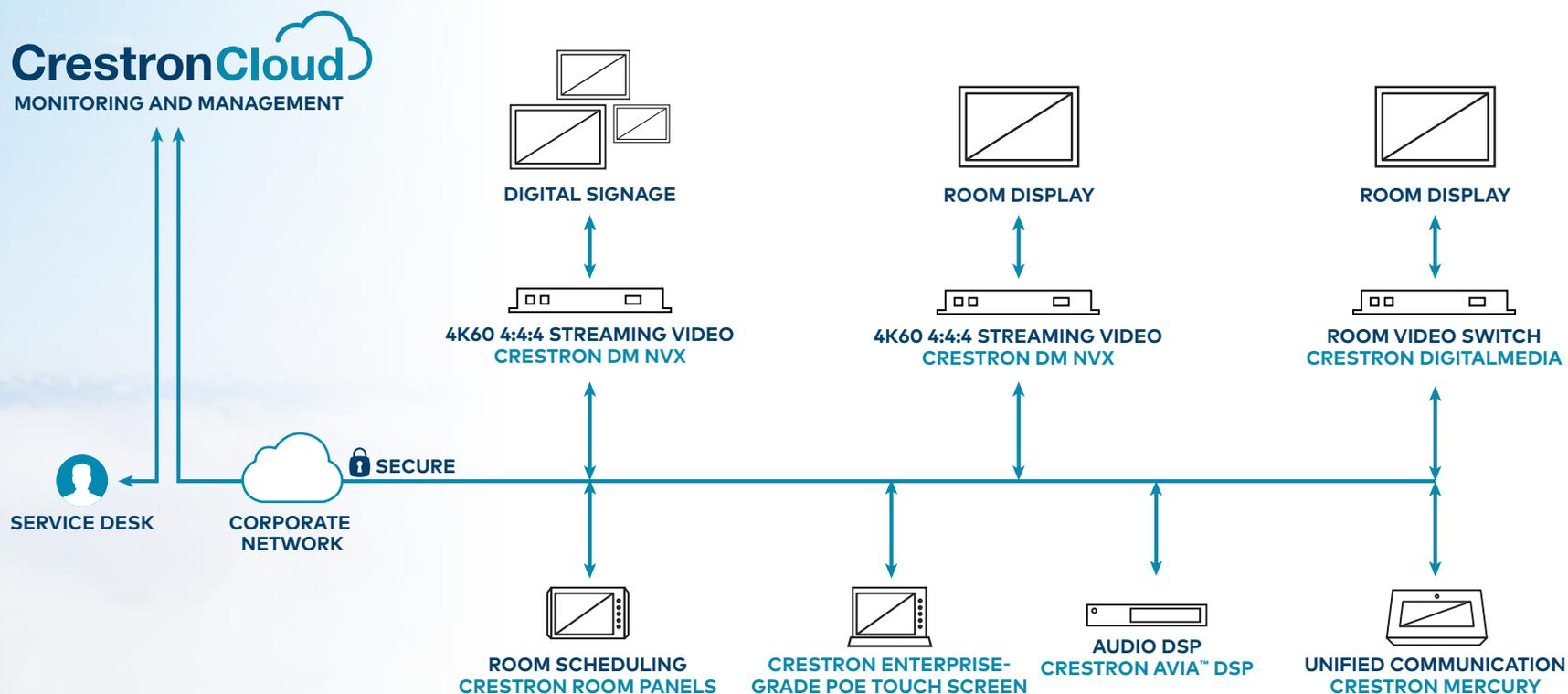
- Organize devices by groups and subgroups
- Silently push settings and firmware to one or all devices
- Apply, transfer, and remove device feature licenses

### Monitor

- Live status and full monitoring of every connected device

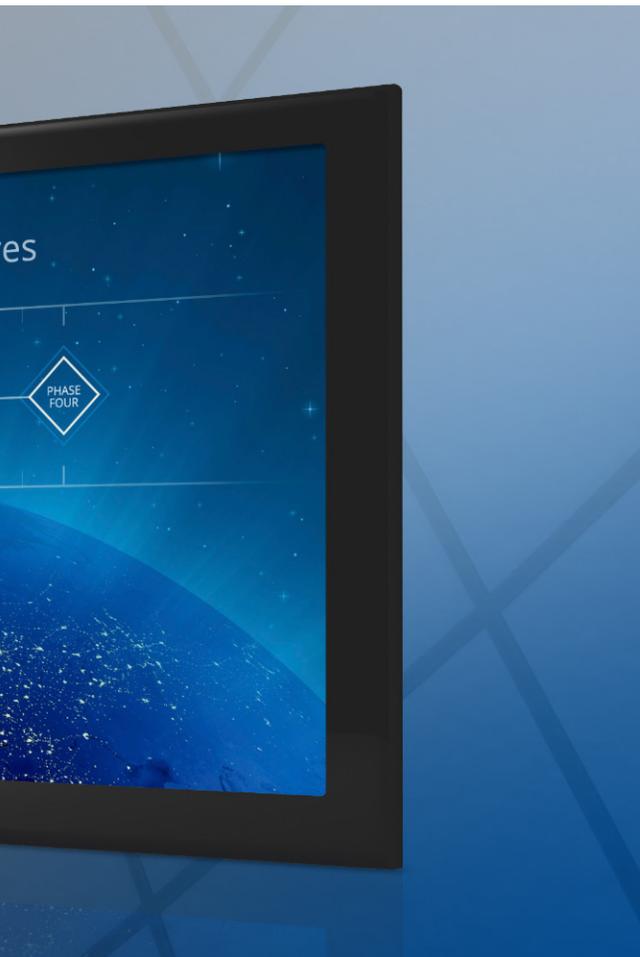


# Crestron Enterprise Cloud



The Crestron Enterprise Cloud provides secure connections and management for millions of devices across the global enterprise. You get secure communications, outbound server connection, and enterprise-grade hardware. And it's all from one vendor, so there's only one call to make for support.





## Network security

Crestron workplace technology solutions support the standard network security policies organizations already have in place. Every Crestron device is engineered with absolute security in mind.

- **802.1x** ensures devices on the network have been explicitly sanctioned by the network administration team, which protects against unauthorized devices being added to the network
- **Active Directory** ensures administrative privileges and access rights of individuals are centrally managed
- Industry-standard **AES** block cipher with robust PKI for AV content encryption to protect content from unauthorized access as it traverses the network
- **SSL** ensures that control systems and endpoint devices communicate only with intended devices and that commands and status cannot be monitored by unauthorized devices on the network
- **SSH-based** command-line console access for device configuration and status protects the device console from access by unauthorized users
- **HTTPS** authenticates and encrypts the web interface to ensure DM NVX devices are only accessed by authorized users

Crestron Fusion<sup>®</sup>



# Enterprise monitoring and reporting

Crestron Fusion monitoring and scheduling software adds a layer of intelligence to turn an organization into a high-performance enterprise. It combines powerful tools: network room scheduling, remote help desk, global device monitoring, and data collection and reporting.





### Room scheduling

Crestron Fusion integrates with the popular room calendaring platforms to improve workflow and room usage. Rooms are automatically returned to inventory in the event of a "no-show."



### Help desk support

During meetings, attendees can contact the help desk directly from the touch screen in the room. Crestron Fusion sends event alerts to IT staff, enabling them to quickly resolve issues remotely to maximize uptime. Crestron Fusion stores all technical documentation room-by-room for quick reference.



## Global device monitoring

Crestron Fusion sends real-time status notifications for any device in any room on the network, so support staff can resolve events before they become issues and interrupt workflow. Additionally, support staff can automatically receive reminders to perform routine maintenance.

## Data and reporting

Crestron Fusion can collect data and generate detailed reports about room and device usage to help organizations optimize investments in space and technology. For example:

- How often are rooms booked?
- When are rooms booked?
- Who's using specific rooms?
- Was the room actually used when booked?
- How many people use the room per meeting?
- How often is the VTC system being used?
- How often is video enabled during conferences?
- Are wired or wireless inputs used for presentations?

# Pricing and purchasing options

Understanding how you purchase meeting room technology is important. Choose from "Buy now" or Service Level Agreement (SLA) options, featuring yearly payment plans. Whichever way you prefer, Crestron has you covered.

Open Presentation Space CE-500



Plan	Price
Buy now	\$1,100
3-Year SLA	\$385/year
5-Year SLA	\$250/year

Small to Medium Meeting Room | 4-12 People CE-1000



Plan	Price
Buy now	\$2,150
3-Year SLA	\$750/year
5-Year SLA	\$475/year

NOTE: All pricing U.S. only. Annual SLA payments are due in advance.

A Crestron Service Level Agreement allows organizations to spread the cost of their technology investment over time and enjoy several important benefits:

- Telephone support – same day response during business hours
- No charge repair or replacement of Crestron products
- Advance replacements
- Free software upgrades
- Free training at any of our regional offices
- Reduced rates for onsite visits from our elite Advanced Technical Support Group

**Large Meeting Room | 12+ People** CE-2000



Plan	Price
Buy now	\$3,200
3-Year SLA	\$1,125/year
5-Year SLA	\$700/year

**Presentation Conference Room** CE-3000



Plan	Price
Buy now	\$13,000
3-Year SLA	\$4,500/year
5-Year SLA	\$2,850/year

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