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infocomm

Connecting People, Space & Technology: Scheduling & Digital Signage

Instructor: Christopher Ochoa

What Solutions are you Installing for Scheduling and Communication?

Connecting People, Space & Technology: Scheduling & Digital Signage

Welcome to the Modern Workplace

Clear communication with your employees and visitors is a huge part of achieving an awesome workspace experience



Visual Collaboration and Communication Align With Digital Workplace Strategy

The digital workplace is a business strategy to boost employee agility and engagement through a more consumerized work environment



Engaging
Employees

Relentless focus on inclusiveness and communication to foster awareness and participation in the workplace



Changing Nature
of Work

Visual collaboration supports nonroutine work in brainstorming and design scenarios and improves clarity for faster decision making



Reimagining
Workplace
Technology

Democratized access to video and visual content sharing dissolves the barriers between physical and virtual space

Screens are Everywhere in the Workplace



Video Walls



Digital Signs



Room Booking



Collaboration Displays



Desk Phones



Room Systems



Video Distribution

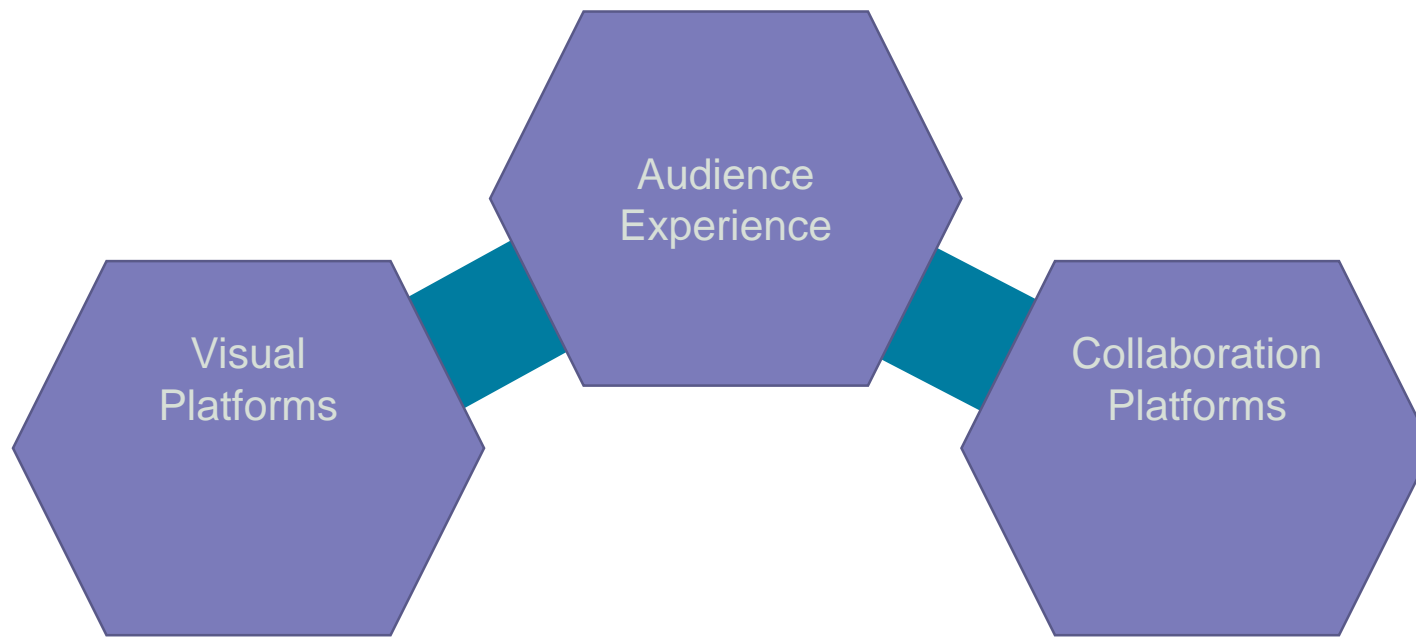


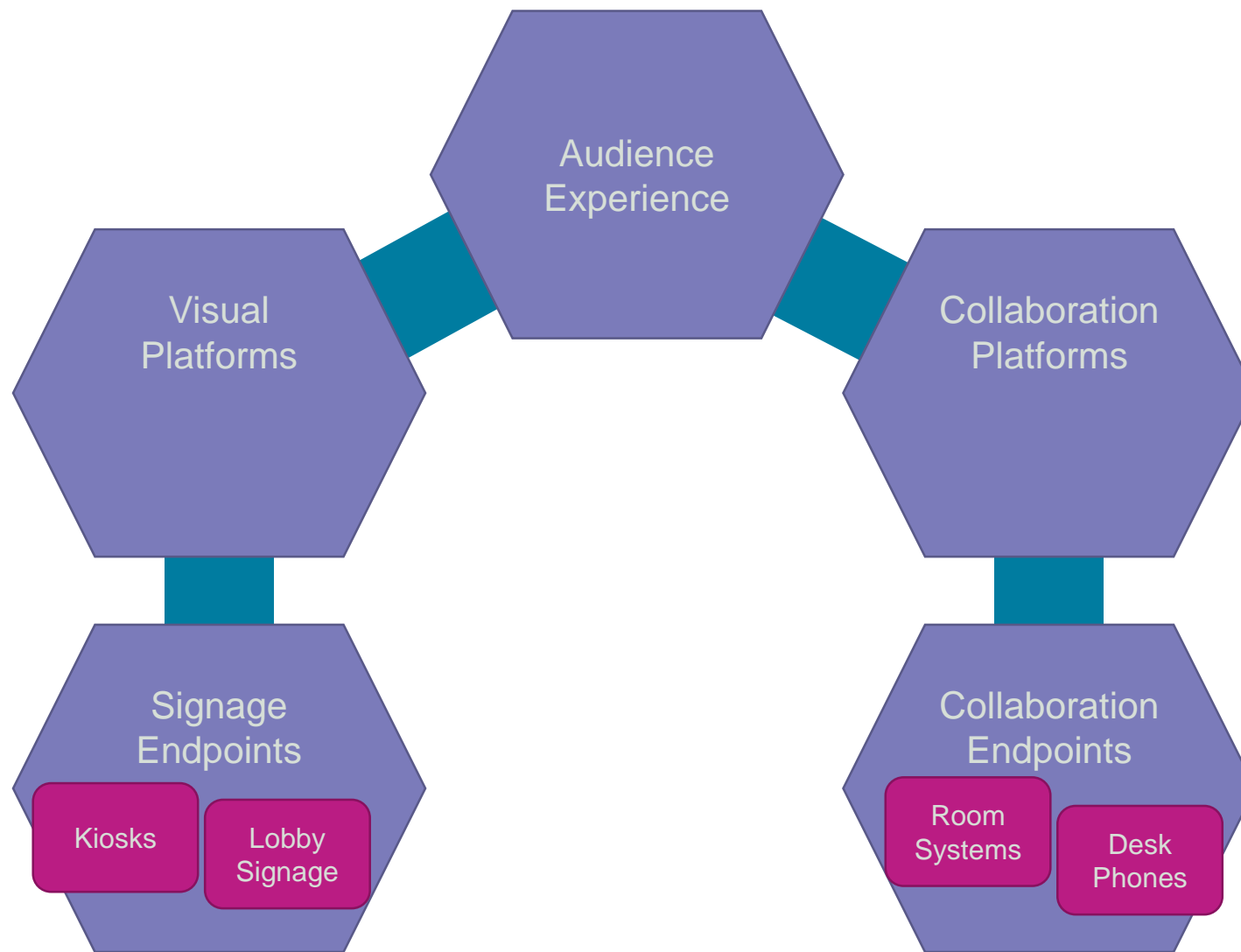
AV Control

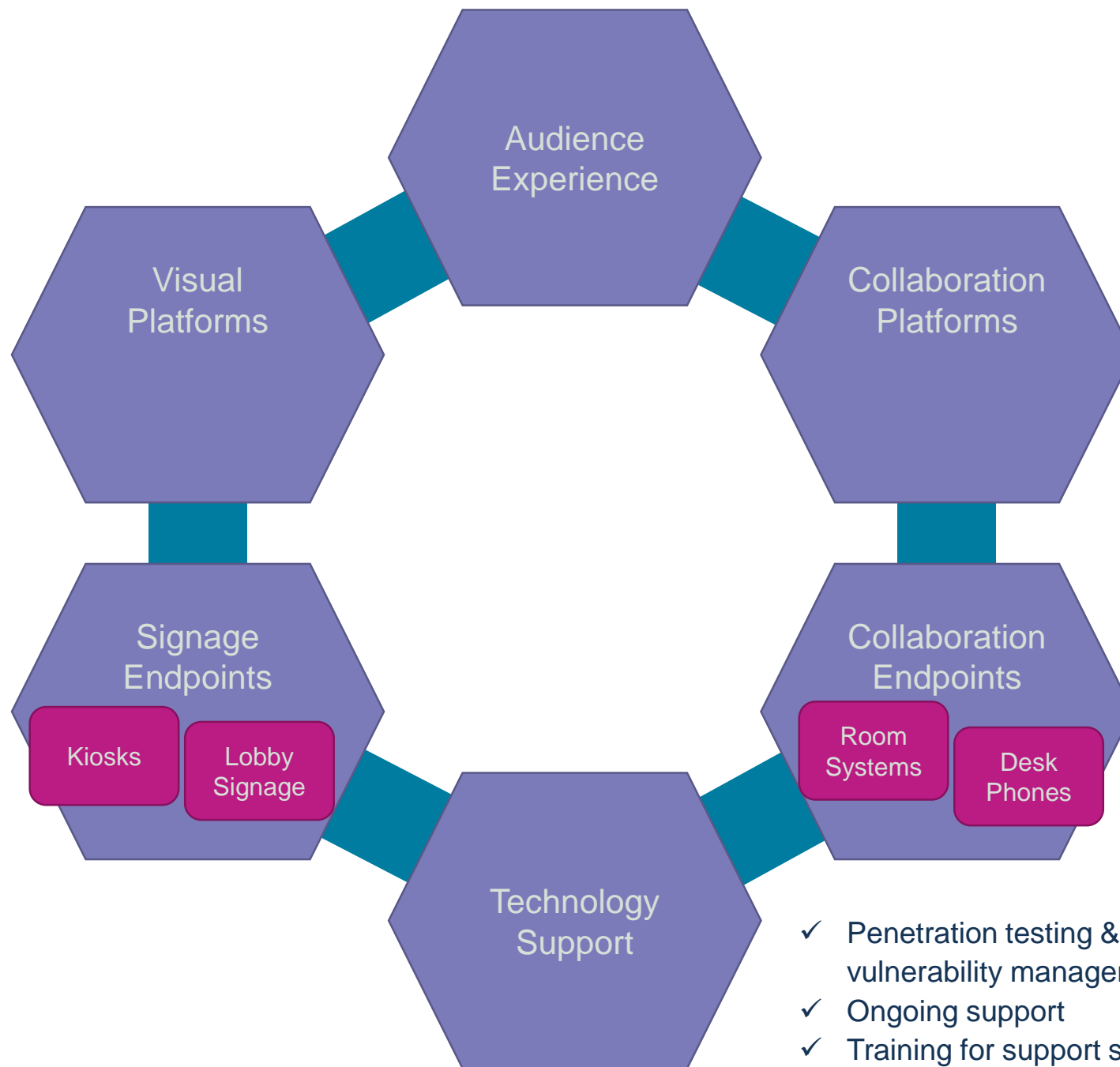


Digital Whiteboards

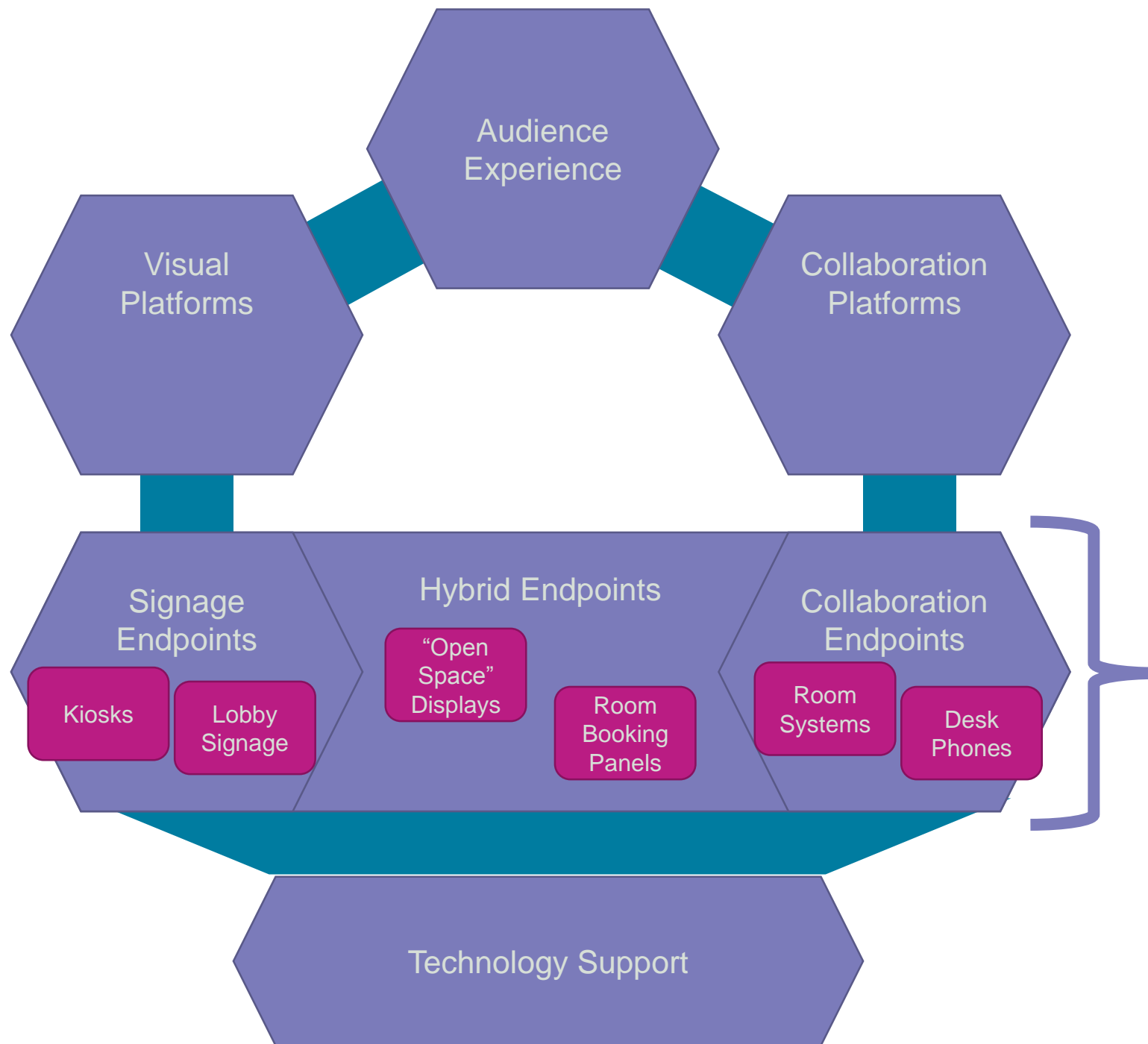








- ✓ Penetration testing & vulnerability management
- ✓ Ongoing support
- ✓ Training for support staff
- ✓ Roadmaps



Endpoints are No Longer Just Single Purpose



Video Walls



Digital Signs



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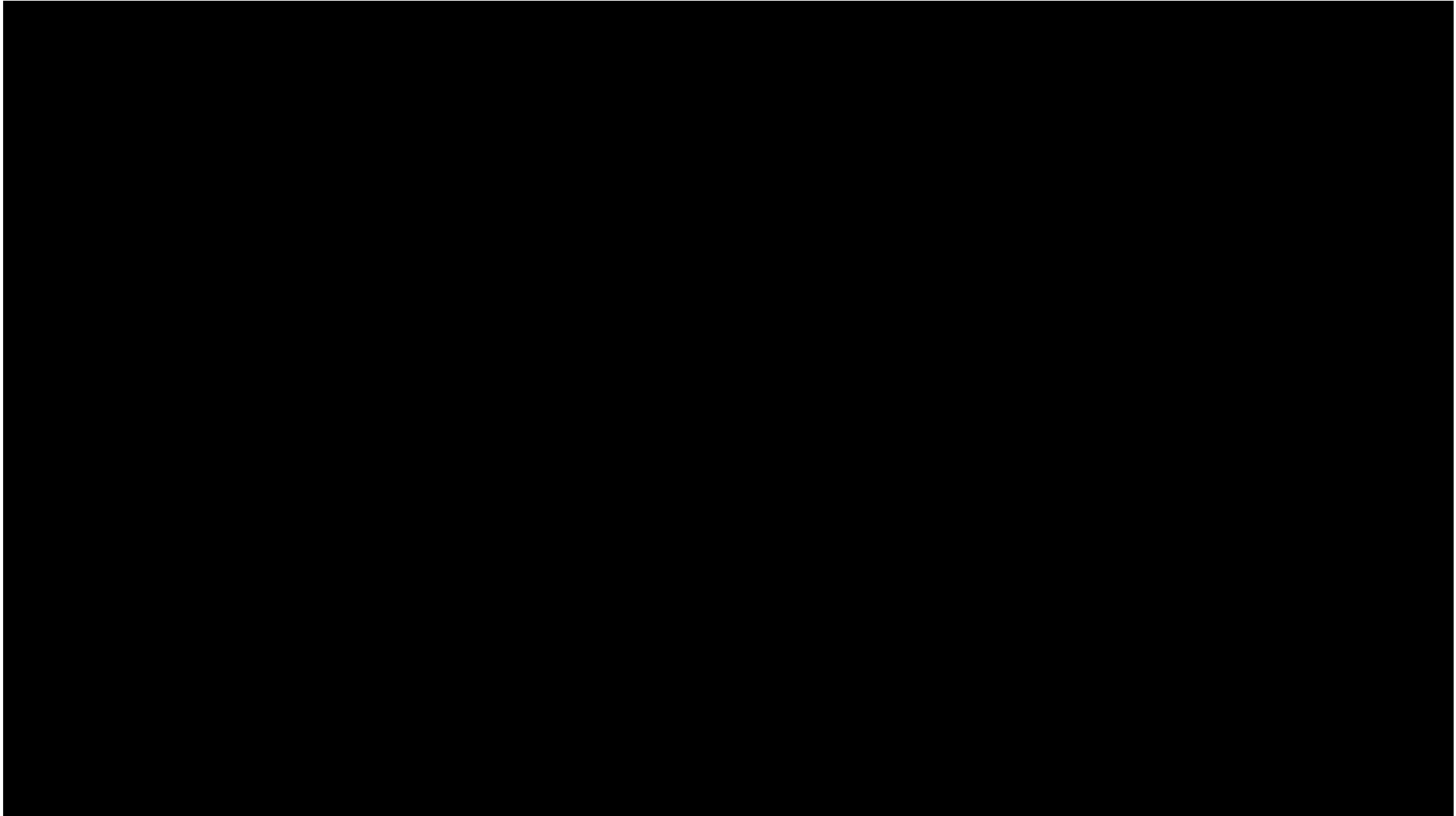


Digital Whiteboards

Connecting People, Space & Technology: Scheduling & Digital Signage

DM NVX™ Technology for Signage

DM NVX



DM NVX™ Technology History

To date Crestron has sold over 120,000 DM NVX™ endpoints since it started shipping in September 2017

More than 5,000 engineers/technicians from our industry have attended Crestron DM NVX™ technology training

DM NVX™ technology is the culmination of 10 years of industry leading DigitalMedia™ technology engineering, development, and experience



Why DM NVX™ Technology for Signage?

DM NVX™ technology allows you to converge your video infrastructure onto the network for a common transit layer

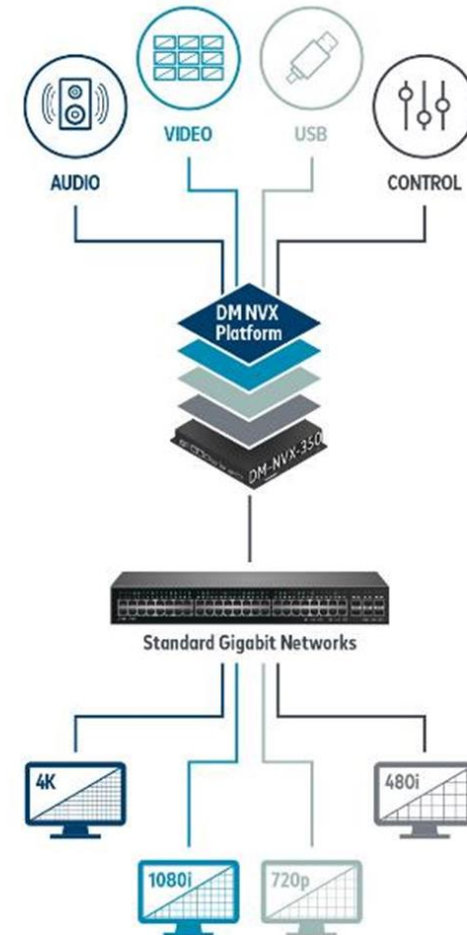
The attributes of a solid converged network are flexibility, reliability and cost savings

DM NVX™ technology allows you to route any content to connected displays

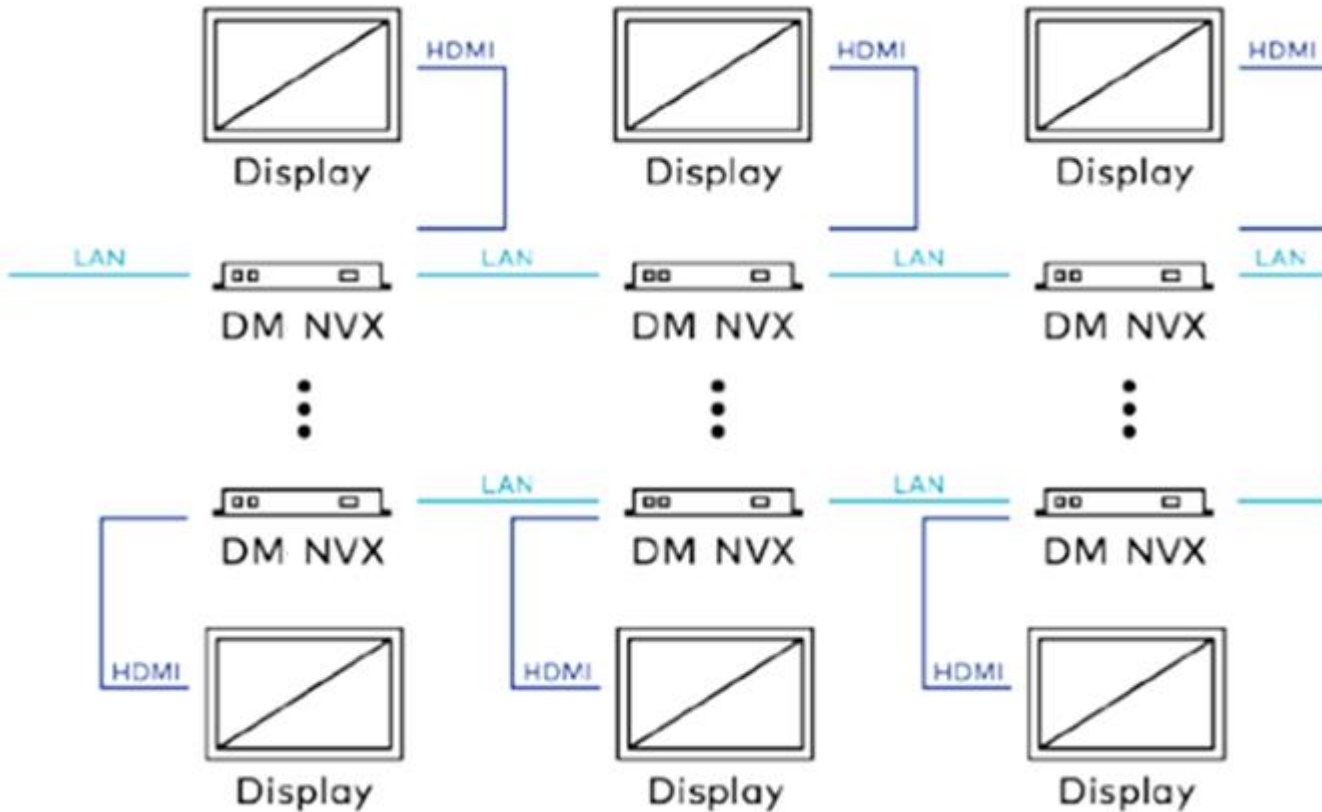
DM NVX™ technology allows you to blend signage content and any other content source

- Town halls
- Overflow
- Presentations

One Solution. Infinite Possibilities.



Network Topology – Daisy Chain



Benefits:

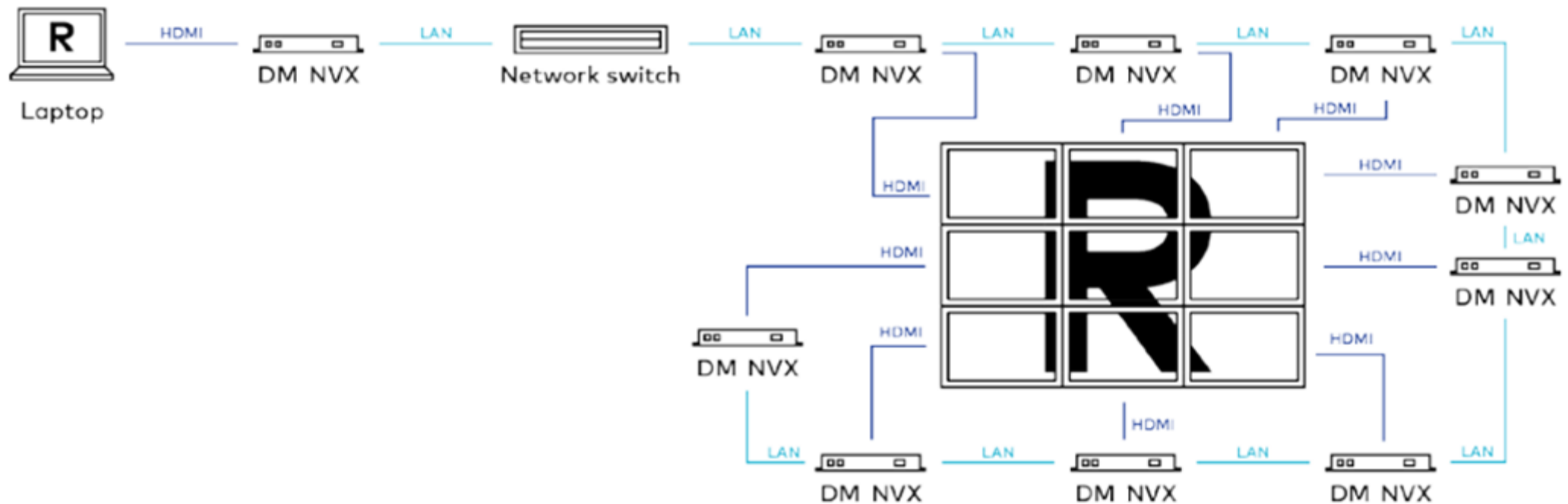
- Cost
- Cabling

Limitations:

- One video source per chain
- USB functionality not recommended
- 64 displays max per chain (16 displays max per chain for video walls)

Network Topology – Daisy Chain

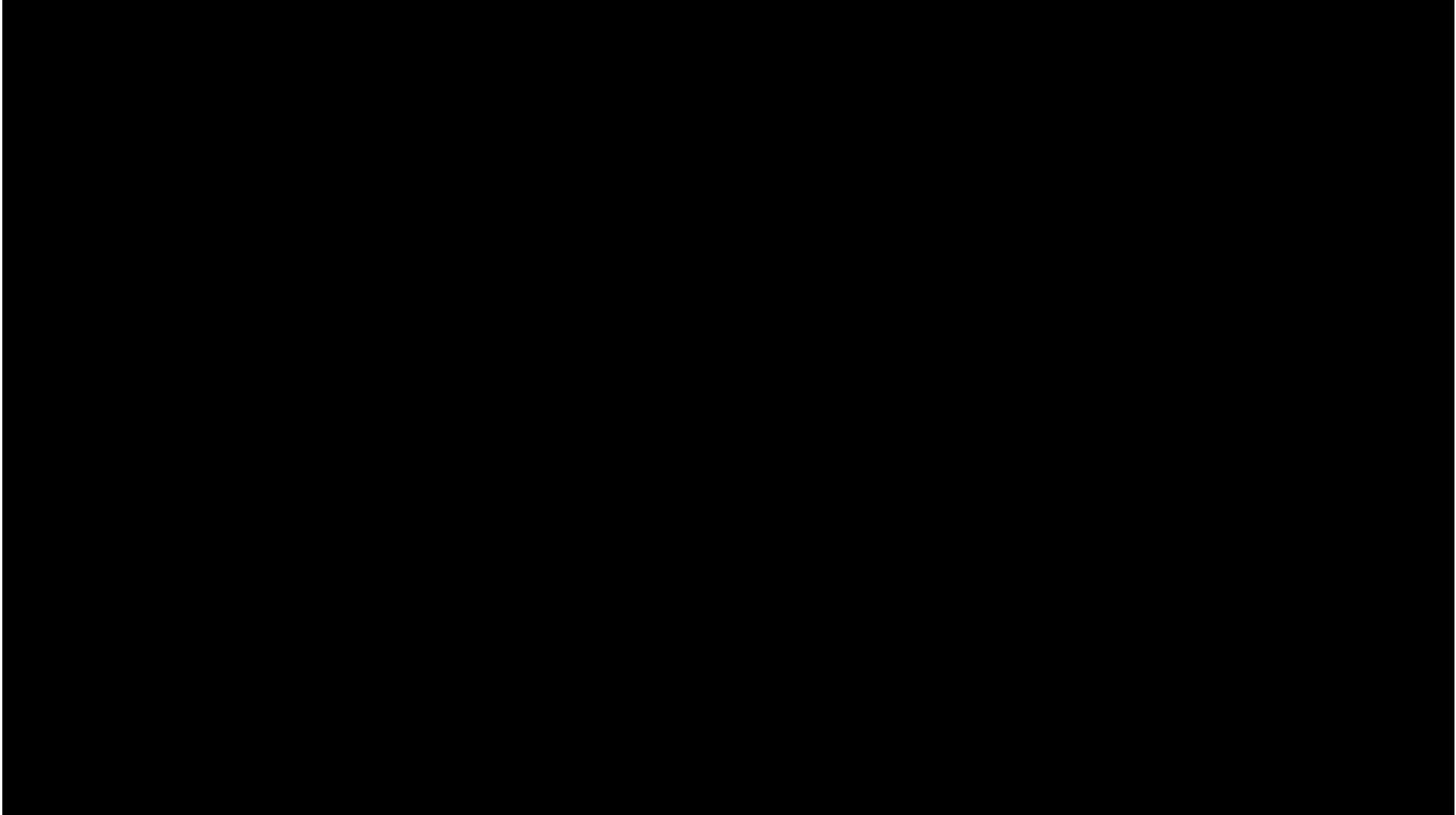
3X3 Video Wall



Connecting People, Space & Technology: Scheduling & Digital Signage

AirMedia® Presentation System

AirMedia 2.0



AirMedia® Presentation System

Unique additional capabilities

- Digital signage
- Wireless presentation tools
- Advanced space analytics
- Room scheduling integration



Optimize Your In-Room Experience

Display scheduling information on screen with Crestron AirMedia® technology

Combine scheduling with wireless presentation

Choose the right hardware:

- AirMedia® Presentation Systems
- Crestron Mercury® conference system
- DMPS3



Optimize the Meeting Experience

Dynamic content gives you endless flexibility

Crestron AirMedia® 2.0 technology supports Appspace® software



Go Beyond the Conference Room

Open spaces

- Add presentation, digital signage, and scheduling capabilities to all the open spaces
- AirMedia® Presentation Systems optimize open spaces for collaboration



Connecting People, Space & Technology: Scheduling & Digital Signage



Scheduling Panels

One Enterprise Platform

Enterprise-grade hardware for any scheduling workflow

Crestron scheduling panels provide a full range of scheduling providers all from one unified hardware platform, including directly connecting to popular calendar providers, Crestron Fusion[®], and a variety of partner applications

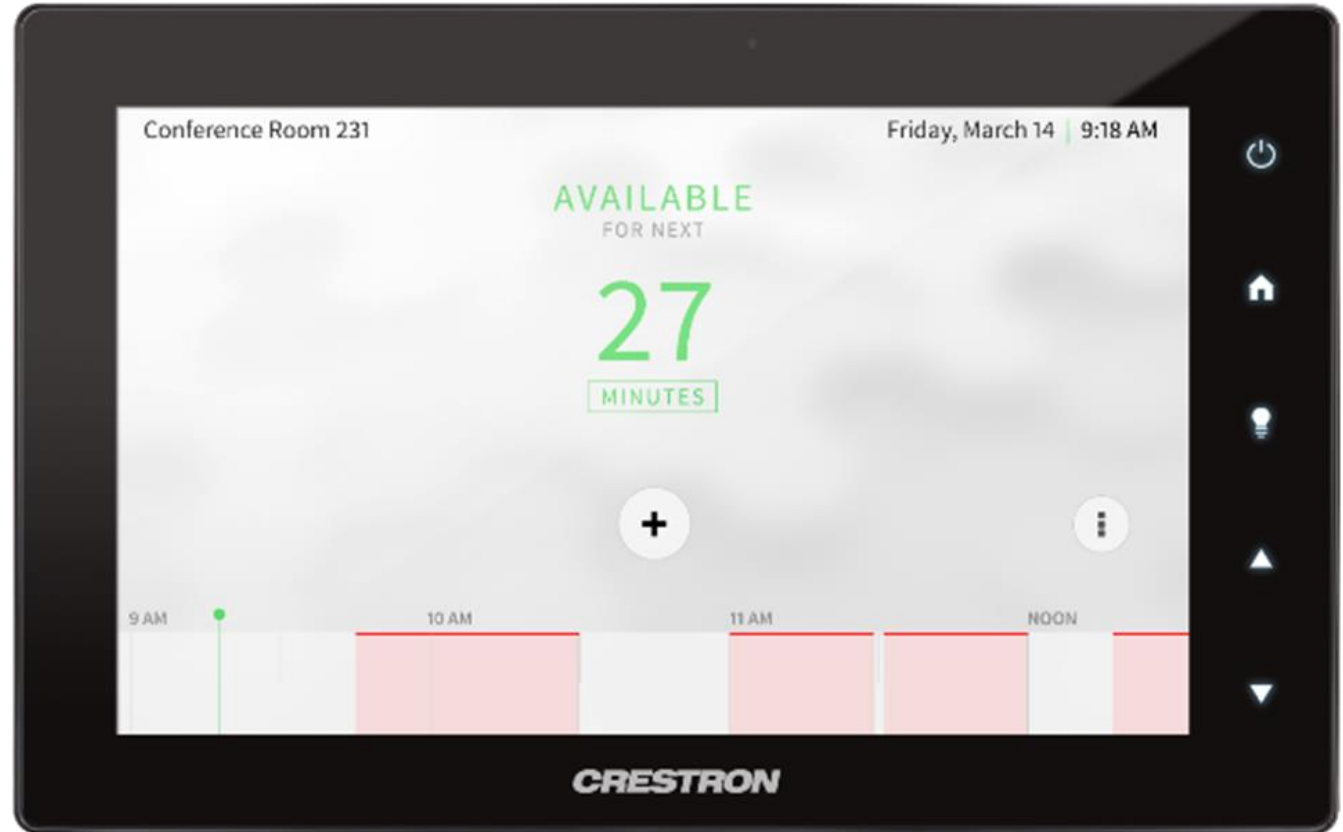


Enterprise Hardware

Built on the TSW-xx60 platform

Crestron scheduling runs on top of the existing TSW-560/760/1060, so it has all of the security and management applications you already expect from them, including:

- Active Directory® integration
- 802.1x authentication
- PoE+ for power and communication
- Secure management via web UI or cloud provisioning
- Secure mounting options for a variety of surfaces



Direct Connection

Simple scheduling without expensive, complicated software

Crestron® scheduling panels connect directly to Microsoft Exchange Server®, Google® G Suite™ (Calendar), and Microsoft® Office 365®.

There is no need for backend software beyond the customer's existing calendar. This reduces the cost and complication of deploying a scheduling solution for smaller customers because there is no other service to pay for or manage.



Standard GUI

Reserve on the spot

Quickly book an available room in two taps

Day at a glance

See the full schedule for the day and reserve a block later



Meeting information

Immediately see if a room is available and for how long

Power at your fingertips

Advanced functionality menu lets you check-in, extend the current meeting, end the meeting early, and more



RESERVE



LOCATE



OPTIMIZE

High visibility GUI

Image and video backgrounds disabled



Default color theme returns after a period of inactivity

High contrast screen changes colors to enhance accessibility (WCAG 2.0 part 1.4.6 for Contrast (Enhanced))



RESERVE



LOCATE



OPTIMIZE

Customizability

Custom branding for the enterprise

Crestron scheduling is built on web standard technologies. It offers levels of customizability that match any customer's need, including:

- Four built-in layouts that include support for custom image or video backgrounds and logos
- Editing via CSS to change UI component sizes, color, and positioning
- Full HTML5 UI for creating completely custom experiences which can be edited by anybody with experience in web design

The support for video backgrounds is unmatched in the industry and provides immediate visual pop in common spaces



Custom GUI

Logos can be placed on the touch screen to reinforce branding

Change colors and positions using just a few lines of standard CSS



Static backgrounds and video loops can be set while in-use or as a screensaver

HTML5 support makes it easy to customize UI to promote branding



RESERVE



LOCATE



OPTIMIZE

Partner Applications

TSS-7 /TSS-10 and TSW-760/1060 can run applications from popular scheduling partners.

Partners include:

- Teem
- Robin
- Appspace
- EMS
- Zoom

Coming soon:

- Gingco, SharingCloud, SpaceConnect, NFS Rendezvous

TSS-7/TSS-10 are configured and ready to run Crestron scheduling or partner apps, simply select preferred partner during commissioning



teem



Robin



EMS
an account computer



APPSPACE

Partner applications

 **APPSPACE**

 **SharingCloud**

GINGCO.NETTM

Robin

zoom



technology group



EMS[®]
an accruent company

SPACE CONNECT



tesm

Software Experience: Natively Run Partner Software



APPSPACE



EMS



Robin



team



RESERVE



LOCATE



OPTIMIZE

Mounting Accessories

A variety of accessories make installation versatile and easy.

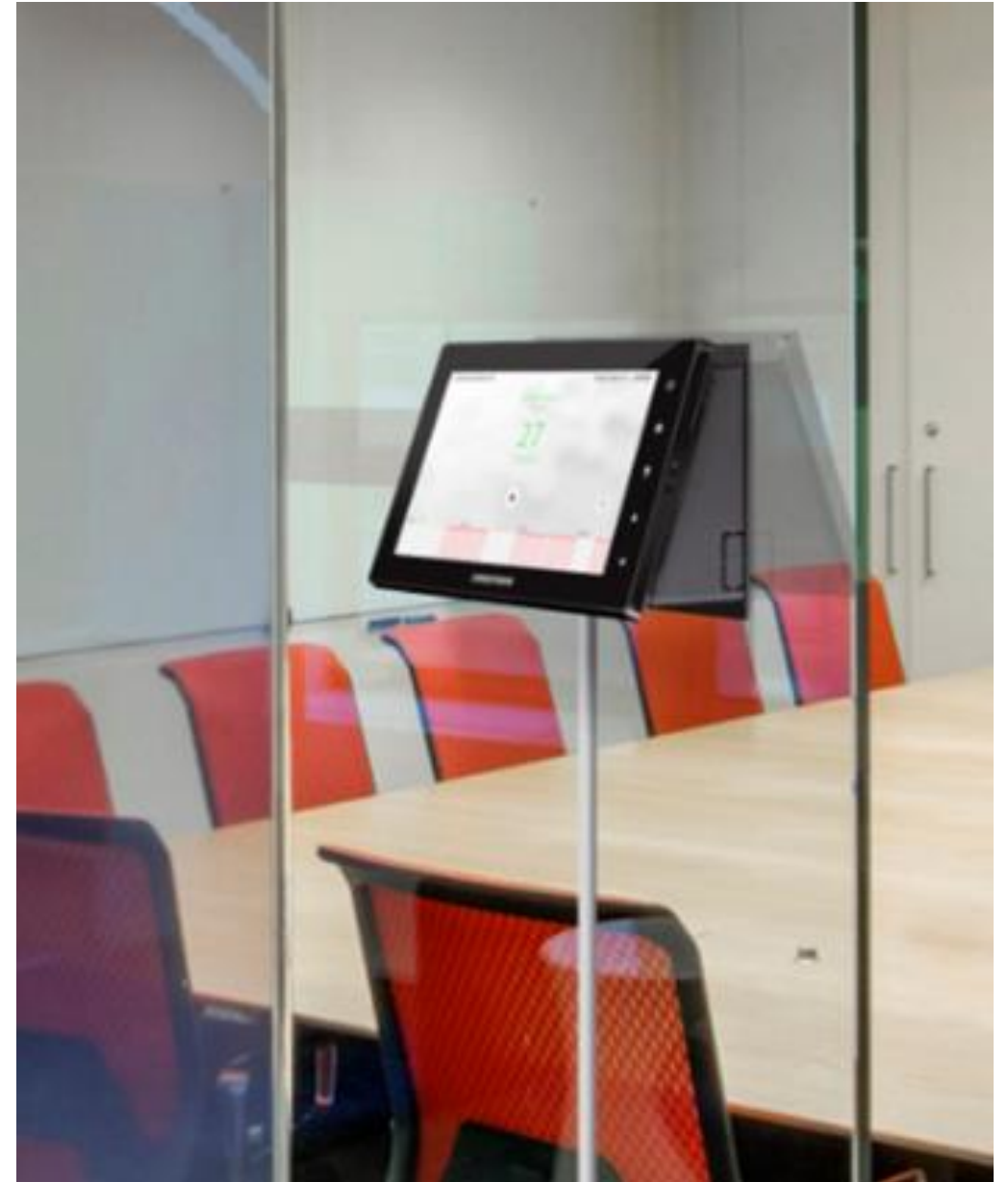
Included with every TSW:

- Wall mounting bracket in the box, to allow for electrical gangbox mounting

Optional mounting accessories:

- Multisurface mounting kit for mounting a TSW to glass, marble, wood, or other flat surfaces
- Tabletop mounting kit for inside the room, on the table installation
 - Fixed swivel mount also available

All accessories include the option for secure mounting so the TSW can't be removed



LED Accessories

LED accessories for TSW touch screens give visibility to room availability.

LED accessories are powered and controlled via connection to TSW USB port, no configuration necessary.



Choose Your Indicator*

Illuminated signage makes it easy to find meeting rooms



Touch Screen Light Bar
7" (TSS-7-LB) or
10" (TSS-10-LB)



**Room Availability Status
Indicator – Wall Mount**
SIW-100



**Room Availability Hallway
Sign – Wall Mount**
SSW-100



**Room Availability Hallway
Sign – Ceiling Mount**
SSC-100

**Connect via USB to any Crestron scheduling touch screen*



RESERVE



LOCATE



OPTIMIZE

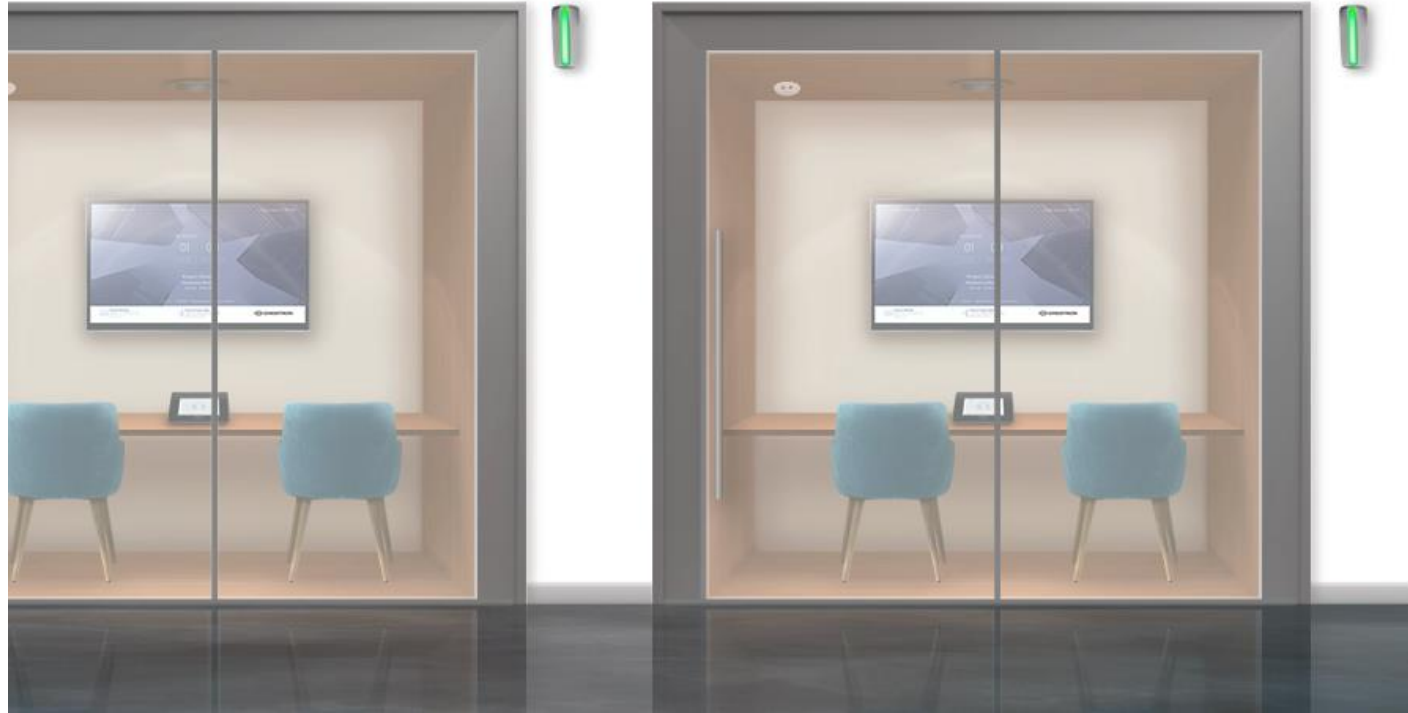
Go Beyond the Conference Room

Non-reservable spaces

Some meeting spaces are not scheduled, indicators make them easy to find

Indicator combined with an occupancy sensor

Add an AirMedia® Presentation System or Crestron Mercury® conference system inside the room



Connecting People, Space & Technology: Scheduling & Digital Signage

Crestron XiO Cloud™ Provisioning Software

Crestron XiO Cloud™ Provisioning Software

Hosted on Microsoft® Azure® IoT platform.

Deploy quickly

- Reduce installation time by up to 90%

Manage remotely

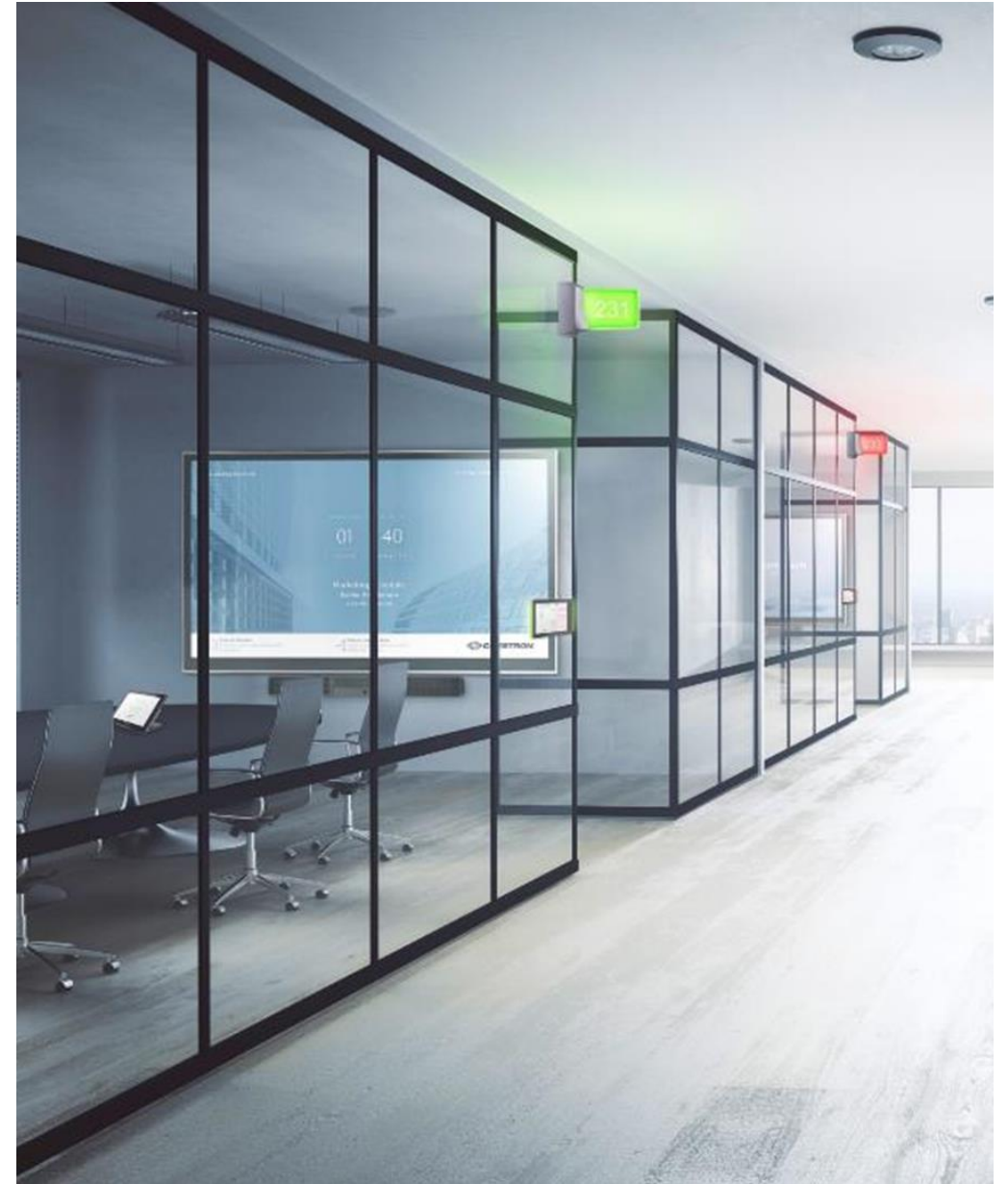
- Update settings and firmware from anywhere via centralized dashboard

Monitor instantly

- Resolve events remotely to improve device uptime

Evolve confidently

- Makes sure your workplace technology supports how people work



Deploy

Quickly and easily implement new workplace technology

Configure new or replacement devices ahead of time

Device settings are automatically retrieved when connected to the network

Deploy thousands of devices in the same amount of time it normally takes to deploy one

Name, configure, and organize devices by groups and subgroups using simple drag-and-drop

Without ~~Crestron~~ Crestron XiO Cloud Service

1. Order devices
 2. ~~Wait for the delivery to arrive~~
 3. ~~Receive devices at dealer HQ~~
 4. ~~Open each box~~
 5. Configure ~~each~~ device *S*(100+ settings) *ONCE*
 6. ~~Box device back up~~
 7. ~~Repeat steps 4-6 for each device~~
 8. ~~Ship devices to~~ install location *receives devices*
 9. Send ~~senior~~ member of team onsite
 10. Plug in each device
 11. Test the room
 12. Troubleshoot and reconfigure *ONCE*
-

Connecting People, Space & Technology: Scheduling & Digital Signage



Crestron Fusion® Software

Crestron Fusion®

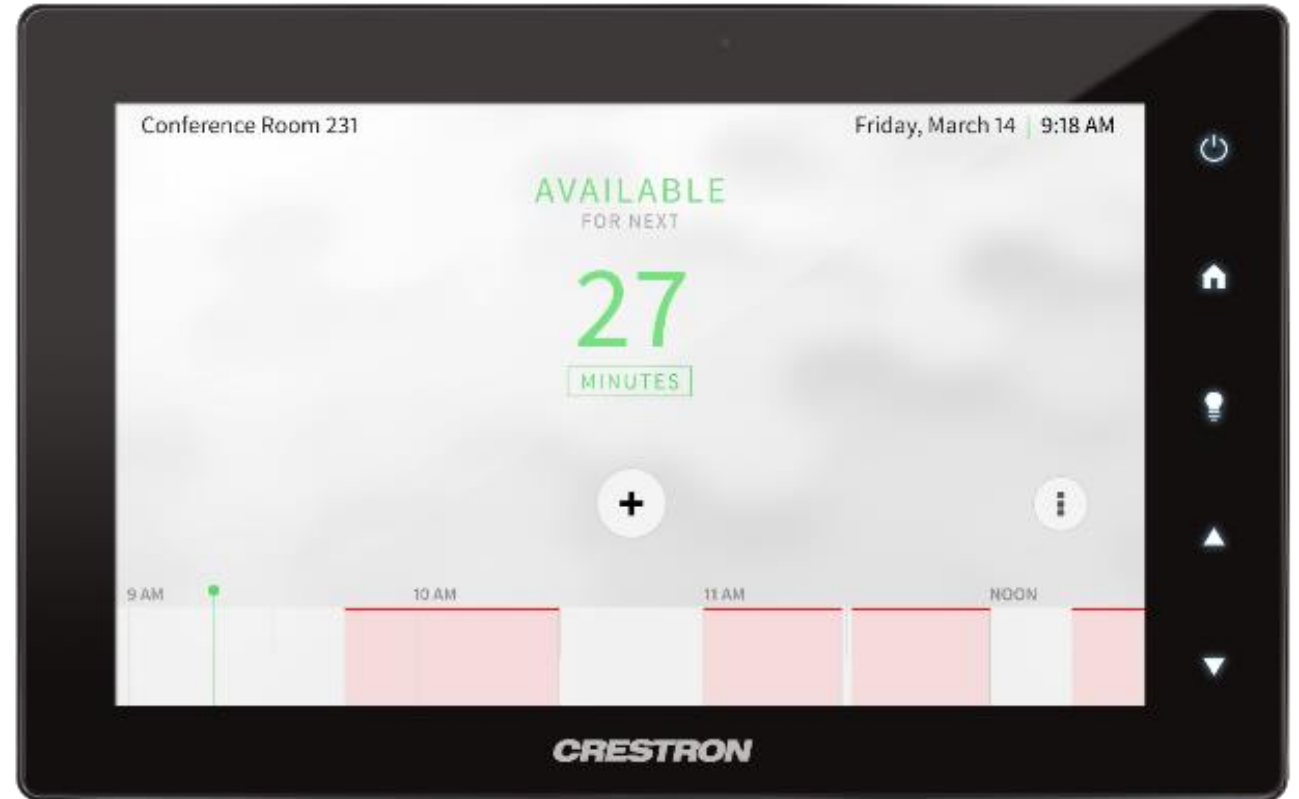
Enterprise management and advanced scheduling functionality

Crestron Fusion® gives customers advanced meeting analytics, access to scheduling providers that are not supported by direct connect, advanced features like room search, and a central location for managing and monitoring panels



Crestron Fusion®

Crestron Fusion® room scheduling integrates with popular calendaring programs you're already using to improve workflow and room usage





PROXIMITY
ROOM BOOKING



ADVANCED
ROOM SEARCH



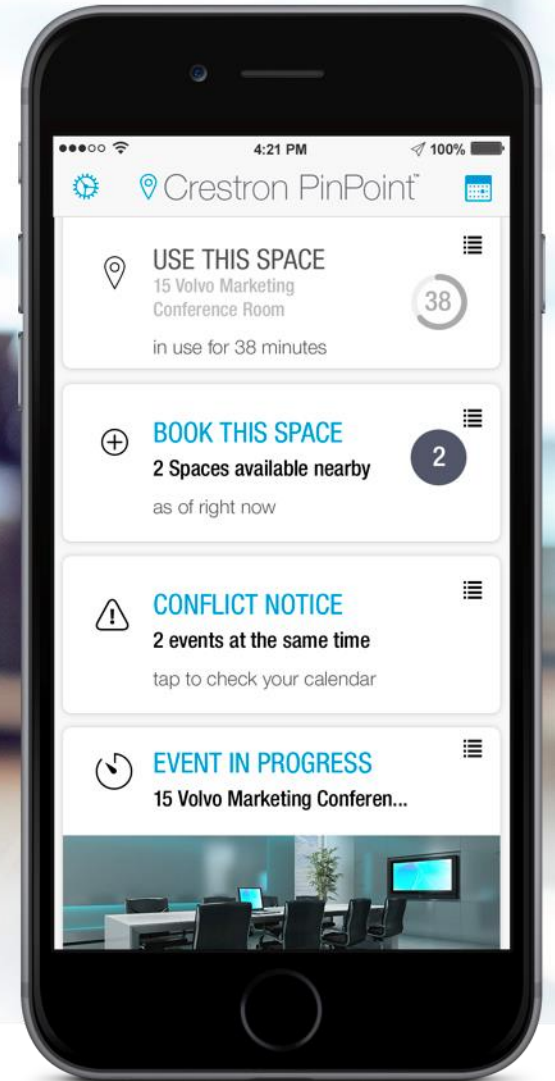
ROOM PREVIEW
& WAYFINDING



USER EXPERIENCE
& AUTOMATION



"MY DAY"
DASHBOARD

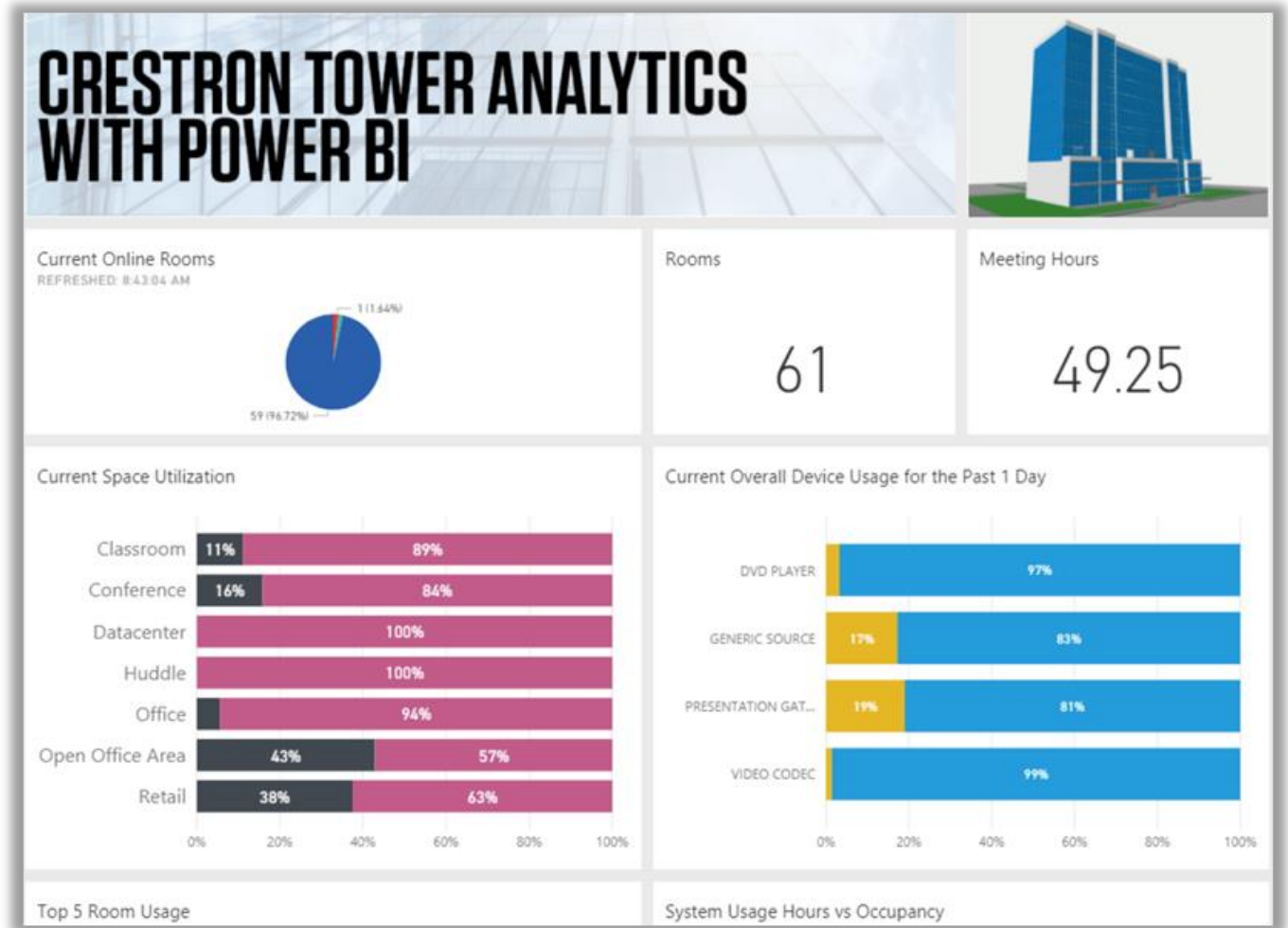


Crestron PinPoint™

Data and Reporting

Collecting data and generating reports helps organization's optimize investments in people, spaces and technology

Crestron Fusion® Dashboard enables you to connect your Power BI® software of choice to the Crestron Fusion database to generate powerful analytics and data visualizations





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