Crestron Flex Video Conferencing

Welcome to today’s workplace

Effective communication and collaboration among and between your employees and partners plays a key role in achieving success.
Return to the office trends

Enable remote participants

Workplace safety, low and zero-touch

Remote management

Measurement of employee locations and use of space
Return to office in 3 phases

Phase 1

Get folks in the door

- Extreme limitations – closed meeting rooms
- Yellow tape on floor
- Instructions emailed to you
- Critical infrastructure only
  - UC enable spaces quickly – Crestron Flex R-Series
  - Zero-touch spaces – AirMedia® wireless presentation technology and occupancy sensors
- Remote access for limiting exposure
  - Crestron XiO Cloud® service
Return to office in 3 phases

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Phase 2
Sustainable processes
- Mobile apps
- Measurement of usage of communal areas
- Measurement of cleaning
- Open meeting rooms with social distancing and low-touch functionality
- Video-enabling more spaces
## Return to office in 3 phases

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### Phase 2
**Sustainable processes**
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### Phase 3
**Long-term planning**
- What real estate do you really want to own?
  - Monitoring and analytics
- Decide on critical technology investments
- Enabling flexible working
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 non-routine work in brainstorming and design scenarios and improves clarity for faster decision making.
- **Reimagining workplace technology**: Democratized access to video and visual collaboration dissolves the barriers between physical and virtual space.
Crestron technology is everywhere in the workplace

- Room systems
- Desk phones
- Room scheduling
- Collaboration displays
- Digital signage
- Video walls
- Video distribution
- AV control
- Digital whiteboards
Systems for every space

A family of systems, with models suited to all the spaces in which people work.
Crestron Flex streamlines meetings in any space
Crestron Flex: Connect with anyone on any platform from any space

One experience

- Native support for conferencing via Microsoft Teams® or Zoom Rooms™ software, along with BYOD conferencing
- Consistent user experience, from desktop to boardroom
- Exceptional audio and image quality
- Zero-touch cloud-based management solution hosted on Microsoft Azure™ platform – can even swap native experience between Microsoft Teams and Zoom
- Options that meet the highest levels of security and network requirements
For some meeting rooms and spaces all you need are the basics. Others demand a higher level of functionality. Crestron Flex has you covered. All devices are available with either Standard or Advanced feature sets.

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<th>Standard</th>
<th>Advanced</th>
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<td>Camera</td>
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<tr>
<td>Mode swap</td>
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<td>✔</td>
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Crestron Flex: Room control

Crestron Flex button connects to advanced video options and smart building ecosystems

- Switch video
- Adjust audio
- Lower the shades
- Set the lighting
- Change the temperature
Crestron Flex: Camera technology

The right cameras for each space
Each system features a camera optimized for its intended use

- Small and medium room systems feature an ultra-wide angle HD camera
- Large room systems feature a wide angle PTZ model

Both cameras include intelligence for auto-framing to ensure everyone is seen and deliver the best picture quality

People counting functionality is included in small and medium room systems

- Coming soon to the PTZ camera
Advanced room controls

Every solution seamlessly connects to:

- LIGHTING
- WIRELESS PRESENTATION
- SOURCE SWITCHING
- SCHEDULING
- OCCUPANCY
Easily integrate room controls
Crestron Flex: Native and BYOD

One device for every space, regardless of UC platform

The past
- 80/20 rule
  - Internal organization standardized on Microsoft Teams, but sales/HR must use a different platform to meet externally
  - IT department dedicates rooms as “BYOD”, removing a Microsoft Teams Room from deployment

The future – only with Crestron Flex
- 80/20 rule
  - Crestron Flex allows one device to deploy in EVERY ROOM
  - Example of a meeting room schedule:
    - Meeting #1 = Internal meeting scheduled on native Microsoft Teams
    - Meeting #2 = Alternate UC platform call with “plug-and-play technology”
    - Meeting #3 = Executive briefing scheduled on native Microsoft Teams
Crestron Flex: Mode swap

Same hardware change platforms
Future-proof: invest in hardware, we’ll support the software you need
Swap modes via XiO Cloud
Reboot and switch platforms
Crestron Flex: Collaboration that works. In every way.

A family of solutions for every space

Personal workplaces
Small rooms
Medium or large rooms
Custom spaces
Outside the room
Crestron Flex: Small meeting spaces
Crestron Flex MM

Compact all-in-one tabletop console – the core of modern meeting spaces

- 40% smaller footprint than M-Series; optimized for smaller spaces
  - 7” touch screen for easy-to-use controls
- Exceptional microphone and speaker quality with 10’ mic pickup range
- Simple installation, just USB and Ethernet
  - PoE powered
- Zero-touch provisioning and centralized management
Crestron Flex: Intelligent camera for small and medium rooms

Intelligent camera for best coverage in every space

- Genius framing
- People counting
- Great image quality
  - Ultra-wide angle
Crestron Flex MM: Deployment

MM30 – Microsoft Teams or Zoom Rooms systems
Crestron Flex B-Series: Small meeting rooms – deployment

MMX30 – native Microsoft Teams or Zoom Rooms with BYOD

Front of room

On table

LAN

Cat5e w/ PoE

USB

HDMI

Cat5e

USB

HDMI
Crestron Flex MM

Audio Conference System

UC-MM30-TA
Audio conference system

Standard Video Conference System

UC-MM30-T/Z
Video conference system with intelligent camera

Coming Soon Advanced Video Conference System

UC-MMX30-T/Z
Video conference system with intelligent camera, BYOD functionality, and mode swap
Crestron Flex B-Series

Complete small room solution in a wall-mount soundbar form factor

- Full range speakers and beam forming microphone ensure exceptional audio quality
- Optional, integrated wide angle 4K camera with auto-zoom and people counting
- Streamlined installation: mount using integrated bracket, connect power and USB
- Zero-touch provisioning and centralized management
Crestron Flex: New touch screen

Sleek new smart screen is the standard for control

- New industrial design with enhanced functionality built-in
  - Integrated mute indicator
  - New tabletop specific industrial design, with 60% smaller bezel
- Increased performance for the best experience
  - Greater screen resolution for sharper images
  - Enhanced processor for faster and smoother responses
- Integrated proximity and occupancy sensors to wake the screen and room
Crestron Flex B-Series: Deployment

B30 – Microsoft Teams or Zoom Rooms systems

Front of Room

On Table

LAN

Cat5e w/ POE

Cat5e

Optional HDMI

HDMI

USB
Crestron Flex B-Series: Small meeting rooms – deployment

BX30 – native Microsoft Teams or Zoom Rooms with BYOD
Crestron Flex B-Series

Standard Video Conference System
UC-B30-T/Z
Video conference system with intelligent camera

Advanced Video Conference System
UC-BX30-T/Z
Video conference system with intelligent camera, BYOD functionality, and mode swap
Crestron Flex: Medium meeting spaces
Crestron Flex M-Series

All-in-one tabletop console – the core of modern meeting spaces

- Call, collaborate, present, and video conference with one touch
- Exceptional microphone and speaker quality
  - Isolated acoustics
  - 360-degree quad microphones
  - 20’ Mic pickup range
- Zero-touch provisioning and centralized management
Crestron Flex M-Series native system: Deployment

M50 – Microsoft Teams or Zoom Rooms systems
Crestron Flex M-Series BYOD system: Deployment

MX50-U – Bring Your Own Device conferencing
Crestron Flex M50: Medium room systems

Audio Conference System

UC-M50-UA
Audio conference system

Standard Video Conference System

UC-M50-T/Z/U
Video conference system with intelligent camera

Advanced Video Conference System

UC-MX50-T/Z/U
Video conference system with intelligent camera, BYOD functionality, mode swap, and integrated single cable extension
Crestron Flex: Large meeting rooms
Crestron Flex M-Series: Large rooms

All-in-one tabletop console – the core of modern meeting spaces

- Call, collaborate, present, and video conference with one touch
- Exceptional microphone and speaker quality
  - Isolated acoustics
  - 360-degree quad microphones
  - 20’ mic pickup range
  - Included mic pod for extended pickup range
- Includes intelligent PTZ camera for best coverage in larger spaces
- Zero-touch provisioning and centralized management
Crestron Flex: PTZ camera for large rooms

Intelligent PTZ camera for best coverage in larger spaces

- SmartFrame automatic FOV adjustment
- Full PTZ control, with smooth PTZ performance
- 1080p 60fps
- 18X total zoom (12X lens)
- Wide field of view - 180°
- Sony® super-low-light 2M sensor
- People counting (coming soon)
**Crestron Flex M-Series: Large meeting rooms – deployment**

**MX70 – native Microsoft Teams or Zoom Rooms with BYOD**

- Front of room
  - HDMI
  - USB

- On table
  - LAN
  - HDMI
  - USB
  - Cat5e
**Crestron Flex M70: Large room systems**

<table>
<thead>
<tr>
<th>Audio Conference System</th>
<th>Standard Video Conference System</th>
<th>Coming Soon Advanced Video Conference System</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC-M70-UA</td>
<td>UC-M70-T/Z/U</td>
<td>UC-MX70-T/Z/U</td>
</tr>
<tr>
<td>Audio conference system with mic pod</td>
<td>Video conference system with intelligent PTZ camera and mic pod</td>
<td>Video conference system with intelligent PTZ camera, BYOD functionality, mode swap, integrated single cable extension, and mic pod</td>
</tr>
</tbody>
</table>
Crestron Flex: Custom spaces
Crestron Flex C-Series

Simple, flexible solution for building customized systems for complex, demanding spaces of any size

- Integrates with any existing room system to add native UC support
  - Call, collaborate, present, and video conference with one touch
  - Integrates with audio, video, lighting, shades, and HVAC for one touch room control
- Streamlined installation
- Zero-touch provisioning and centralized management
Easily integrate Microsoft Teams or Zoom Rooms into highly integrated AV spaces

**Crestron Flex C-Series: Installation**

- HDMI Out (Display)
- HDMI In (Content)
- USB (Audio)
- USB (Camera)
- LAN
- Cat5e w/ POE
- Cat5e
Crestron Flex C-Series

UC-C100-T/Z
Video conference integrator kit

UC-CX100-T/Z
Advanced video conference integrator kit with BYOD functionality and mode swap
Crestron Flex Room Systems Appliance

Sleek Android appliance includes all the compute power and connections you need for great video conferencing (I/O)

- Built-in video conferencing power and software in one neat package
- Seamlessly controls workplace technology
- Supports Microsoft Teams or Zoom*
- Meets stringent network and security requirements, including those for InfoSec
- One support tool from one trusted vendor

*Functionality determined by software application
Consistent to use and manage

Incredible audio and video coverage

- Purpose-built computing appliance for video conferencing rooms:
  - Huddle rooms and small spaces
  - Meeting spaces up to 25 people
  - Boardrooms and beyond

- Drives our full lineup of room systems:
  - Mini-tabletop
  - Tabletop
  - Soundbar
  - Integration
Easy to install and support

Simple to manage with Crestron XiO Cloud

- Provision hardware and monitor all the hardware – not just Crestron, all at one price
- Manage and update firmware remotely
- Control the touch screen remotely
- Support with ServiceNow integration

Flex Cares backs your team up

- 24/7 dedicated support
- Extended warranty with advanced replacement
Crestron Flex: Mobile collaboration
Crestron Flex R-Series

Add UC anywhere it’s needed

- Turn any space into a Crestron Flex space!
- B-Series and M-Series versions
- Unique features:
  - Cable retractors for easy rolling
  - Quick-lock available
  - Touch-less content sharing with AirMedia
  - Management via Crestron XiO Cloud
  - Superior audio quality
Crestron Flex R-Series

Crestron Flex R-Series Plus
UC-FCM-U/T/Z
UC-FCMX-T/Z
Mobile UC system with 20’ mic range
Native and BYOD options available

Crestron Flex R-Series
UC-FCB-T/Z
Mobile UC system with 15’ mic range
Native options available
Crestron Flex: Desktop collaboration
Crestron Flex P-Series

Superfast personal communication device for your private workspace, the most active hub for collaboration

- Easy-to-read high-resolution touch screen interface, available in 8" or 10" – largest in the industry
- Developed with and certified by Microsoft, ensuring native compatibility with new features
- Fresh industrial design with solid and durable feel
- Proximity sensor automatically wakes up device so it’s ready to go
- Supports latest security protocols
- Sensitive mic and full range speaker deliver exceptional audio
Crestron Flex P-Series

Crestron Flex P8
UC-P8-T
8” Audio Desk Phone for
Microsoft Teams

Crestron Flex P8
UC-P8-T-HS
8” Audio Desk Phone for
Microsoft Teams with Handset
Trust the experts
Journey to the meeting

A platform to locate and reserve the right space
Make meetings seamless
Simplify the Process of Finding Spaces

ON AN APP  DOWN THE HALL  FROM THE SCREEN  IN THE ROOM
Connecting People, Space, and Technology

Crestron’s Room Scheduling

One complete platform designed to:

- Make it simple to locate the right spaces
- Display real-time room information right at the door
- Manage the flow of people and ideas, keeping organizations moving smoothly and smartly
End-to-end Digital Workplace Experience

TSS-7/10
Scheduling Touch Screens in 7” and 10”

Crestron Flex
Complete Teams Rooms System Offerings

Occupancy Sensors
In-room sensing via PoE Occupancy Sensor

XiO Cloud
Deploy, Manage, Monitor, Analyze

Meeting Rooms

Cloud Management
Scheduling Options, the Right Size for Every Space

10" Scheduling

7" Scheduling

5" Scheduling

5" Scheduling (Portrait)

Partner Applications

Crestron Direct Connect

1. TSW-570 and TSW-570P used for Crestron Direct Connect scheduling; 5" Lightbar not available
Accessories: Room Availability Indicators

Customizable room status indicators makes it easy to find rooms
Connect via USB to any Crestron room scheduling touch screen

Light Bar
For 7” & 10”

Room Availability
Status Indicator

Room Availability
Hallway Sign

Room Availability
Hallway Sign

Touch screen mounted

Wall mounted

Wall mounted

Ceiling mounted
Managing the technology

One platform to manage all of your workplace technology
Crestron XiO Cloud

- Manage and monitor your complete range of workplace technology
- Understand how spaces are being used with people counting analytics
- Provide white glove support with remote control of touch screens
Native IoT technology

Cloud-first platform for device management

- Secure outbound connections from the device to the cloud – no need to open up firewalls
- No additional on-premises hardware, servers, or virtual machines required
- Multiple regions provide redundancy and failover in the event of an outage
- Automatic access to all new updates as they are made available
- All services monitored and maintained 24/7/365 by Crestron's cloud operations team
Flexible room-based management

One price for managing and monitoring a room, regardless of the number of devices
Crestron XiO Cloud is designed around how you manage your spaces:

- Different services for the needs of different users
- Select just the services needed for a given room, including different combinations of services between rooms
- Price does not increase if you change the number of devices in the space
- Monthly pricing does not lock you into a duration

### XiO Cloud services

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<thead>
<tr>
<th>Service</th>
<th>Target User</th>
<th>Functionality</th>
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</thead>
<tbody>
<tr>
<td>Endpoint management¹</td>
<td>Dealers and integrators</td>
<td>Settings, firmware, loading programs, actions (reboot)</td>
</tr>
<tr>
<td>Support</td>
<td>Helpdesk support teams</td>
<td>Device status, remote control, incident dashboards</td>
</tr>
<tr>
<td>Workplace analytics</td>
<td>Real estate and facilities teams</td>
<td>Space usage dashboards</td>
</tr>
<tr>
<td>API²</td>
<td>IT teams</td>
<td>API access</td>
</tr>
</tbody>
</table>

1 Required for all rooms
2 Purchased either for all rooms or none
XiO Cloud: Endpoint management service

Provision devices in a room before installation, without going on-site

- Making it easy to set up and continue to manage any space.
- Endpoint management will allow you to:
  - Manage firmware, settings, and programs
  - Complete log of all changes, making it easy to set up and continue to manage any space
XiO Cloud: Support service

Provide white glove help desk functionality to support end users and keep spaces up and running, without running to them

Support includes:

- Remote control of touch screens (TSS, TSW, Crestron Flex) allowing for step-by-step assistance or testing remotely
- Alerts for device status changes
- Device technical dashboards
XiO Cloud: Workplace analytics

Understand how spaces are being used and by how many people

- Workplace analytics will provide enhanced dashboards, which enable you to understand how rooms and systems are being used
- System usage vs occupancy
- People counting
- Room capacity functionality – understand how many people are actually using rooms versus their current capacity.

This service will be a Beta version at launch
XiO Cloud: API access

Easily integrate XiO Cloud with your preferred Business Intelligence platform or other management tools

Gain more powerful actionable insights. Using a Standard REST API, XiO Cloud can work with a full range of other business tools to ensure that your systems are utilized in an optimal fashion.
## XiO Cloud and Microsoft Teams management

### Microsoft Meeting Room Premium

- Will offer support for the MTR application version
- You can deploy the versions in different rings, which is modeled after the Microsoft® Office 365® software Ring system, familiar to IT departments
- Collects information about your systems and can proactively alert you to possible issues prior to them happening
- Cost on top and above the Meeting Room License in Office 365

### XiO Cloud

- Optional service – doesn’t manage the Windows updates or the MTR application on the Crestron Flex systems, but does offer monitoring, alerts, and analytics on these devices
- Offers management of all Crestron products including scheduling touch screens, Crestron Flex systems, and other hardware
- Offers remote control of the touch screens, including Crestron Flex units
- Will assist in deployment of all Crestron hardware and provides the ability to update firmware and provide insight into your devices worldwide
Crestron provides technology across the workplace

- In-room technology to deliver the best meeting experience
- Room scheduling systems to find and book the right space
- An IoT platform to streamline management and support all workplace technology
Crestron provides technology across the workplace
One stop for all things Crestron Flex

crestron.com/flex
Crestron Flex: **White glove proof of concept**

**Experience Crestron Flex for 60 days with zero commitment**

- On-site survey to assist in selection of rooms for installation of the trial period
- Expert design assistance for future room hardware and software designs
- Setup and configuration of all devices
- Demonstrations of device capabilities
- Half-day training workshop
- XiO Cloud management workflow monitoring

- Provide Day 2 support for the duration of the 60-day trial
- Set up a communication cadence to garner feedback during trial
- All equipment available for sale after trial period is over

**Get started:**
Crestron Flex Care: Premium Service and Support

Designed to keep today’s workforce connected and productive

- No outsourcing
- Connects you instantly to our most valuable asset: our people
- The option to subscribe to our premium Crestron XiO Cloud® service for remote provisioning, management, and monitoring

What’s included:

- 24/7 live support and troubleshooting
  - A direct line to a dedicated Crestron Flex Team
- 5-year extended warranty on Crestron Flex hardware*
  - An extension from 3-year to an industry best
- Advanced Replacement*
  - Get a replacement BEFORE you return
- Discounted on-site service

*For full terms and conditions: crestron.com/FlexCareTerms

Learn more: crestron.com/flexcare
Crestron Flex
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