

INTRODUCING CRESTRON COLLAB COMPUTE: Powering the Next Generation of Hybrid Meeting Rooms

As organizations continue to adapt to hybrid work, the expectations for meeting room technology have evolved. Businesses are no longer looking for basic conferencing setups, they need **scalable, reliable, and intelligent collaboration environments** that support modern platforms while remaining easy for IT teams to manage.

At Matrix Video Communications Corp., we work with organizations across industries to design meeting spaces that deliver consistent collaboration experiences. One of the newest innovations helping power these spaces is Collab Compute from Crestron, a purpose-built compute platform designed specifically for professional collaboration environments.

A PURPOSE-BUILT ENGINE FOR COLLABORATION

Unlike traditional PCs often used in meeting rooms, Crestron Collab Compute is engineered specifically for unified communications environments.

The platform serves as the central processing engine for conference rooms, supporting native collaboration platforms such as Microsoft Teams Rooms and Zoom Rooms. By using a dedicated collaboration compute device, organizations can standardize the user experience across meeting spaces, from small huddle rooms to large boardrooms.

For end users, the result is simple: one-touch meeting join and a consistent interface that allows teams to start meetings quickly and collaborate without technical distractions.



AI-READY PERFORMANCE FOR MODERN MEETINGS

Today's collaboration platforms are rapidly introducing AI-powered features that enhance meeting productivity. Crestron Collab Compute is built to support these innovations with high-performance processors designed for AI-enabled workloads.

This allows organizations to take advantage of features such as:

- Intelligent audio processing and voice isolation
- Automatic speaker framing and camera tracking
- Real-time captions and transcription
- Meeting summaries and analytics

By providing powerful edge processing capabilities, the platform ensures smooth performance while enabling the advanced features that modern hybrid meetings increasingly rely on.



FLEXIBLE INTEGRATION FOR ANY MEETING SPACE

Every meeting room has unique requirements. Whether it's a compact collaboration space or a multi-display executive boardroom, AV systems must integrate seamlessly with cameras, microphones, displays, and control systems.



Crestron Collab Compute supports flexible room design with a range of professional AV connections, including:

- Multi-display video output options
- USB connectivity for cameras, microphones, and audio devices
- HDMI and USB-C inputs for bring-your-own-device (BYOD) presentations
- Integration with professional AV distribution systems

This flexibility enables Matrix Video Communications Corp. to design meeting environments tailored to each client while maintaining a consistent and reliable technology backbone.

SIMPLIFIED DEPLOYMENT AND MANAGEMENT

For IT departments managing large collaboration environments, deployment and ongoing management are key considerations. Crestron Collab Compute is designed to simplify installation with features such as integrated mounting hardware and streamlined connectivity. Once deployed, systems can be centrally monitored and managed through Crestron XiO Cloud, a cloud-based platform that allows administrators to:

- Monitor device status across meeting rooms
- Deploy updates and configurations remotely
- Provision devices at scale
- Maintain consistent settings across locations

This centralized management capability helps organizations reduce operational overhead while keeping collaboration technology running smoothly.



BUILDING A STANDARDIZED COLLABORATION PLATFORM

One of the most common challenges we see in enterprise environments is inconsistent meeting room technology across locations. Different hardware, configurations, and user experiences can lead to frustration for both employees and IT teams.

With Crestron Collab Compute, organizations can establish a standardized collaboration infrastructure that simplifies deployment and improves reliability across the entire workplace. By creating a consistent technology foundation, businesses can deliver meeting experiences that are predictable, scalable, and ready for future collaboration needs.

ABOUT MATRIX VIDEO COMMUNICATIONS CORP.

Matrix Video Communications Corp. is an OECM Supplier Partner providing **Digital Signage, Digital Scoreboards, and Audiovisual Systems Solutions** to all Ontario zones. There are many AV solutions that MVCC can offer to fit just about any budget, from simple to sophisticated. With our 32 years of expertise and outstanding relationships with industry-leading brands and distributors, MVCC provides you with reliable hardware at a competitive price point that arrives when you need it.

Contact us today for a free consultation and site visit to get your next project started.