

Codis™ Controller Working Position-over-IP Solutions
Real-time network adapters (RNAs) to connect remote human-machine interfaces (HMIs) and computers using standard 10G network switches

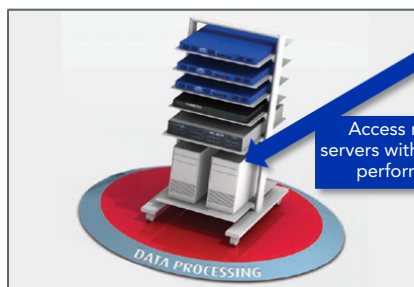
Deploy real-time, pixel-perfect KVMA distribution with redundant matrix switching using open-standard networks

Codis Controller Working Position-over-IP (CWPoIP) solutions from Esterline offer reliable, scalable capabilities for KVM switching and screen recording. They enable you to:

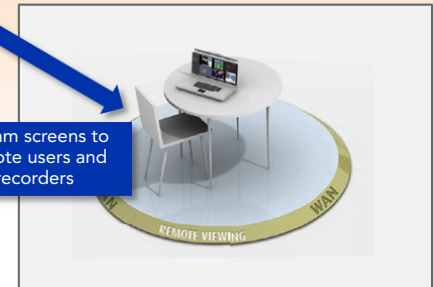
- Connect computer video/audio/USB-HID in multi-user environments.
- Deliver interactive performance with a local look and feel from remote operator positions.
- Implement an easy-to-integrate, open-system upgrade path from proprietary KVM/DVI switching equipment.
- Help ensure high resource availability through reliability, redundancy, and fail-over.
- Support information assurance (IA) through secure control and stateless zero clients.



Codis RNAs provide video/audio/USB encoding and decoding for real-time KVM switching and screen recording



Standard Ethernet



Codis CWPoIP Solutions

Features and Benefits

- Connection of multiple operators to multiple computers with real-time, pixel-perfect performance
- Standard 10Gb Ethernet switches and cabling
- Support for multi-screen zero-client, server, and workstation configurations
- Package options as an integrated display, desktop module, or dual-channel rack-mount unit
- Simultaneous encoding/decoding over each channel
- Hybrid open-standard encoding for simultaneous real-time and low-bandwidth distribution:
 - RFC 4175: RTP payload format for uncompressed video
 - RFC 3984: RTP payload format for H.264 Video
 - ATC-optimized Codec for compact, lossless recording
- Composite decoding of multiple sources for simultaneous access to multiple desktops as full screen, picture-in-picture, or quad/multi-view with flexible formatting
- Data generation suitable for recording and distribution to remote facilities for viewing with standard media players
- Redundant network connections and safe pass-through for failure recovery
- Networked video-based approach to support a variety of computer and display configurations with no impact on system operation or dependency on system software



Codis main radar displays



Codis tower displays



Codis desktop encoding/decoding

For more information about Codis ATC solutions, email us at sales.defense@esterline.com

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