Esterline

**Control &
Communication Systems**

Codis™ Tactical Collaboration Solutions
Real-time network adapters (RNAs) to connect remote human-machine interfaces (HMIs), computers, and large-area displays with mission-critical performance
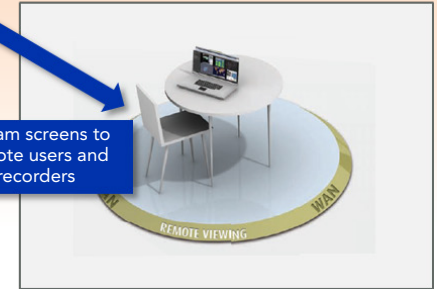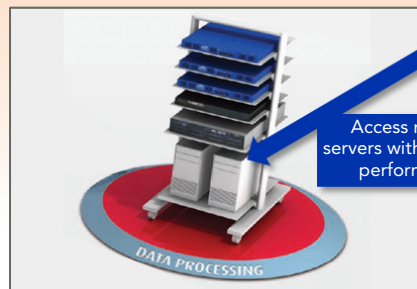
Deploy real-time, pixel-perfect KVMA distribution with redundant matrix switching using open-standard networks

Codis tactical collaboration solutions from Esterline offer reliable, scalable capabilities for KVM switching and screen sharing. They enable you to:

- Connect computer video/audio/USB-HID in multi-user environments with large-area displays.
- Deliver interactive control of local and remote computers while sharing screens with full and quad views.

- 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.

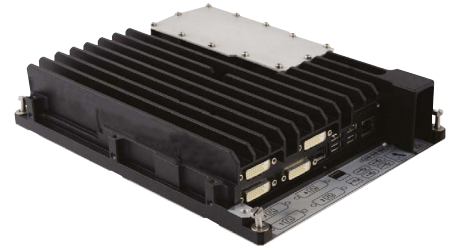*Codis RNAs provide video/audio/USB encoding and decoding for real-time KVM switching and screen sharing.*

Share screens between operators

COMMAND & CONTROL ROOM

Share screens to remote displays

BRIEFING ROOM

Standard Ethernet

Access remote servers with real-time performance

DATA PROCESSING

Stream screens to remote users and recorders

REMOTE VIEWING   WAN

Codis Tactical Collaboration Solutions

Features and Benefits

- Connection of multiple operators to multiple computers with real-time, pixel-perfect performance

- Standard 1/10Gb Ethernet switches and cabling

- Support for multi-screen zero-client, server, and workstation configurations

- Package options as a desktop module, rugged 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

- 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 real-time network adapters (RNAs)

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

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