

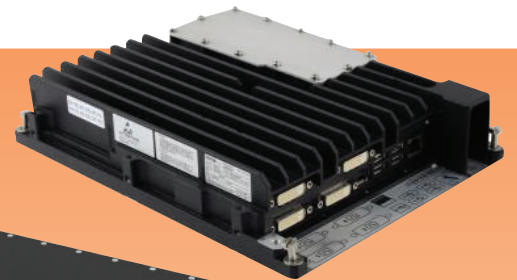
## Codis™ Crewstation-Over-IP (CSoIP) Solutions

Rugged network adapters (RNAs) to connect remote human-machine interfaces (HMIs) and computers for real-time, mission-critical C4ISR performance

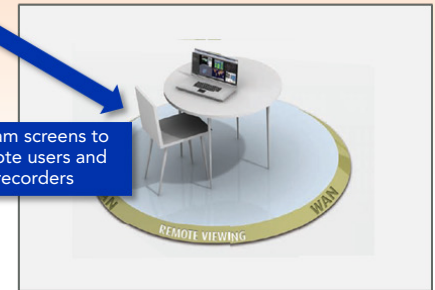
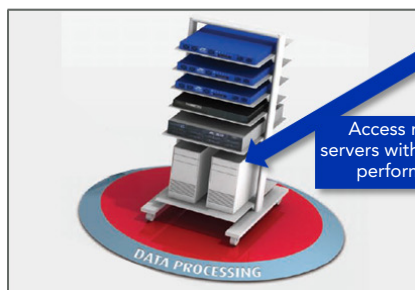
## Deploy real-time, pixel-perfect video and multi-user desktop distribution with open-standard networks and streaming

Codis CSoIP solutions from Esterline offer rugged, scalable networks to integrate distributed crew workstations. 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 upgrade path for current KVM/DVI switching equipment.
- Help ensure high resource availability through ruggedization, redundancy, and fail-over.
- Support information assurance (IA) through secure control and stateless zero clients.



Codis RNAs implement video/audio/USB encoding and decoding for CSoIP.



# Codis Crewstation-Over-IP (CSolP) 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 with rugged module or dual-channel rack-mount packaging
- 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



For more information about Codis CSolP solutions, email us at [sales.defense@esterline.com](mailto:sales.defense@esterline.com)

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