L3HARRIS™
FAST. FORWARD.

HYDRA COMMON CONTROL HEAD – INTELLIGENTLY ENABLING REMOTE CONTROL CAPABILITIES

A flexible and affordable capability to remotely access and control integrated system components

Common hardware with configurable software modules enables a single, reconfigurable hardware device to remotely access and control the full functionality of mission components.

PRODUCT OVERVIEW

The reconfigurable Hydra Common Control Head (CCH) allows for simultaneous control and status display of up to 15 radios. The compact size enables integration in constrained environments, and the intuitive menu structure benefits the operator with no compromise to radio functionality. Designed with an open architecture and modular framework, the CCH easily supports a variety of equipment configurations.

Our CCH design enables rapid software and firmware updates through either a faceplate connector or Secure Digital (SD) card from the side access panel. In addition to software updating, this input/output method provides additional storage access and facilitates storage-based functions such as uploading configurations and mission plans depending on the application. Integrators will also be able to use a variety of input/output methods to interface with mission systems including USB, Ethernet (1Gbe), GPIO and RS-422.

The CCH is currently configured for both the RF-300A and the L3Harris 7850A/M, with future expansion to the L3Harris VORTEX, SSDL v2 and PRC-117G.

ACTIONABLE INTELLIGENCE

Features

- Configurable graphic user interface
- Function specific software in a single hardware device
- Modular software architecture
- Plug-in compatible

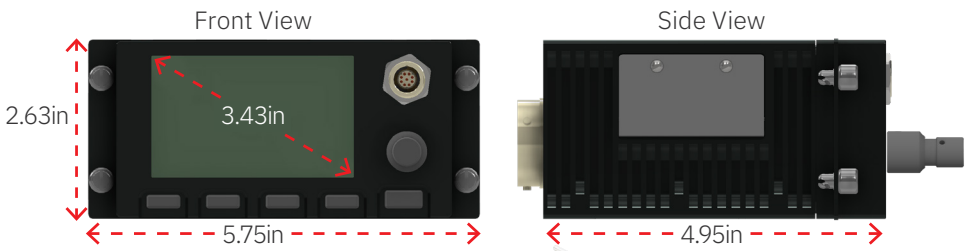
Benefits

- Intuitive: Using industry best practices and direct end-user feedback, the graphic user interface makes navigation through the menu layers instinctive
- Compact: 7x Dzus panel height enables use in space-constrained environments without sacrificing capability
- Adaptable: Software-defined device that adjusts functionality for different configurations, radios, sensors and radars
- Cost Effective: Different capability modules and plug-ins with dedicated I/O traces through the J2 connection provide the ability to add additional I/O affordably

L3Harris.com

TECHNICAL FEATURES

- TPM 2.0 Secure Boot and BitLocker
- Operating temperature -40°C to 70°C
- Waterproof IAW DO-160G Change 1, section 10.3.2 Category W
- Shock up to 6G
- 2x 1GbE, 2x USB 2.0, 6x GPIO
- Configurable Menu Structures
- NVIS-B Compatible
- >8,000 hours IAW MIL-HDBK-217F2
- Cyber Security Package – Available upon request, certifiable under RMF framework



STANDARDS

- DO-160G
- FIPS 140-2
- MIL-STD-810G
- MIL-STD-461F
- MIL-STD-3009
- MIL-STD-704F

ACCESSORIES

- Lab Harness, FED-014-3-601
- Interface Expansion Module– Additional Dzus rail with an additional SD and USB
- J3 USB Adapter

Hydra CCH

INTELLIGENTLY ENABLING REMOTE CONTROL CAPABILITIES

Configurable, Scalable and Affordable – by remoting the control features of critical mission equipment, integrators are able to more intelligently configure platforms for mission success.

Hydra CCH – Intelligently Enabling Remote Control Capabilities

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains. . L3Harris has approximately $18 billion in annual revenue and 48,000 employees, with customers in more than 100 countries.

L3HARRIS™
FAST. FORWARD.

1025 W. NASA Boulevard
Melbourne, FL 32919
t 629 888 4200 | f 629 888 4223
FRX.Products@L3Harris.com