

# HYDRA COMMON CONTROL HEAD

## Intelligently enabling remote control capabilities

A flexible and affordable tool remotely accesses and controls radios and other 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 card

from the side access panel. In addition to software updating, this input/output method provides further storage access and facilitates storage-based functions such as uploading configurations and mission plans depending on the application. Integrators are also able to use a variety of input/output methods to interface with mission systems including USB, Ethernet (1Gbe), GPIO and RS-422.

The Hydra CCH currently supports the L3Harris RF-7800H, RF-7850A, AN/PRC-158C, AN/PRC-160 and AN/PRC-167 radios.



**CCH:** Simultaneous control and status display for up to 15 radios in a compact, intuitive design

### SUPPORTED RADIOS:

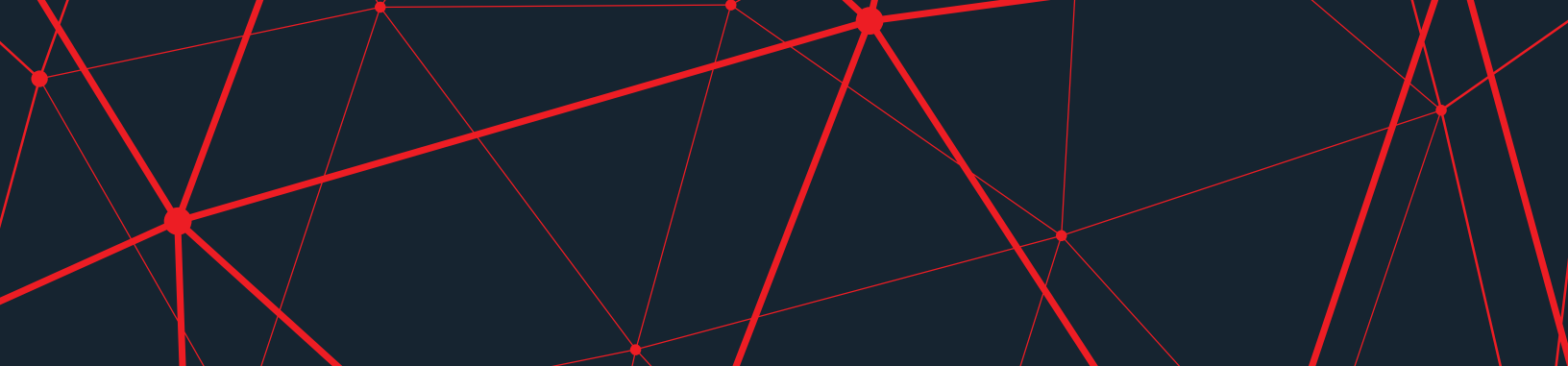


### FEATURES

- > 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



## 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.



TECHNICAL FEATURES	
Security	TPM 2.0 Secure Boot and BitLocker
Operating Temperature	-40°F to 158°F (-40°C to 70°C)
Waterproof Rating	Waterproof IAW DO-160G Change 1, section 10.3.2 Category W
Shock Rating	Shock up to 6G
Data Connection	2x 1GbE, 2x USB 2.0, 6x GPIO
Display	<ul style="list-style-type: none"> <li>&gt; Resolution: 480x800 pixels</li> <li>&gt; Brightness: 400 cd/m</li> <li>&gt; Contrast Ratio: 9000:1</li> <li>&gt; NVIS-B compatible</li> </ul>
MTBF	More than 8,000 hours IAW MIL-HDBK-217F2
Housing Dimension	4.95 L x 5.75 W x 2.63 H in (12.6 L x 14.6 W x 6.68 H cm)
Screen Dimension	3.43 in (8.71 cm)
Weight	2.4 lbs (1.08 kg)

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

### SIDE VIEW



### FRONT VIEW



SCAN TO  
LEARN MORE

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### Hydra CCH

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