

**LOCKHEED MARTIN**



***AN/UYQ-70  
Command and Decision (C&D)  
Console***





**AN/UYQ-70  
Command and Decision (C&D)  
Console**

The C&D console variant of AN/UYQ-70 provides users with a choice of modular air- or water-cooled shipboard enclosures or Aegis-specific water-cooled versions. All use standard Q-70 modules and components to provide flexible commercial off-the-shelf (COTS)-based open systems tactical computing and display solutions. The C&D enclosure provides improved maintainability and human engineering benefits, and incorporates additional capabilities over the baseline Q-70, including a flat panel auxiliary display and X-terminal touch panels. The Aegis-specific C&D consoles provide exact drop-in replacement of the OJ-451; they also provide connectivity to the Aegis Alternate Path Fiber Distributed Data Interface (APFDDI) combat network. The console is supported with the Q-70 standard suite of operating, development, and maintenance software and support products.

**Mass Storage Devices**

- 7-(half height) drive bay with open interconnect provides flexibility to add, upgrade device types
- Fixed or removable hard disk drives, capacity options of 2, 4, or 9 Gbytes
- Other Q-70 devices optional:
  - Erasable Optical disk (1.19 GBytes)
  - CD-ROM (553 MBytes) 4 mm (2 GBytes) and 8mm (5 Gbytes) DAT
  - .25-inch QIC tape (525 Mbytes)
  - 3.5-inch Floppy

**Radar Scan Converter**

- 1024 x 1024 pixel resolution
- Variable range scales up to 2048 nautical miles, range marks and rings, and display offset
- Variable image decay
- IFF/SIF gate display
- 8-scan history
- Fully managed under X-Windows, Motif GUI

**Human-Machine Interfaces**

- Main display options (single or dual eye console):
  - 19-inch magnetically protected color CRT
  - 20-inch Active Matrix Color Liquid Crystal Display (AMLCD) with flicker compensation for acoustic waveform display
  - Lighted writing surface overlay for CRT or AMLCD displays
- Auxiliary display options (single eye console only):
  - 10-inch AMLCD
  - 16-inch AMLCD
- Keyboard
- Ergonomic trackball
- Dual X-terminal touch panels
- Adjustable operator footswitch
- LS-653 compatible communication panel option
- Sonar audio panel option (dual eye only)
- Various switches and indicators

**Packaging**

- Enclosure may be ordered as single or dual eye, air- or water-cooled
- Dual 20-slot VME card cage available with a variety of backpanel splits
- VME card cage extends on captive rails for easy access
- Internal cable management devices
- Precisely matches mounting and connector locations for legacy OJ-451 and OJ-7196(V)X

**Environmental**

- Fully qualified and tested for shipboard use by OPTEVFOR

**Reliability and Maintainability**

- MTBF configuration dependent - actual field reliability exceeds 4800 hours
- MTTR less than 20 minutes
- Supported by extensive built-in-test (BIT) and diagnostics

**Program Support**

- Engineering services are available to add additional new features and assist users with specifying configurations

- Operating and development software is available
- System engineering and application software development are available
- User maintenance support tools, including manuals, diagnostics, and training are available
- Full program management support to all users
- Automated ordering system

**Technology Insertion**

- Full management technology evaluation program for all users
- Open architecture provides ease of technology insertion
- Continuous tracking of the technology growth
- SICV laboratory-supported testing of a technology before deployment

**Integrated Logistics Support**

- Full logistics management for support of all users
- Around-the-clock global fleet technical support center available
- Just-in-time support inventory
- All levels of logistics products provided (e.g., technical manuals, maintenance processes and procedures, ICDs)
- Training courses and materials for users

For more information, contact:  
AN/UYQ-70 Marketing  
Lockheed Martin  
P.O. Box 64525  
St. Paul, MN 55164-0525  
(651) 456-3778  
Web Page: [www.Q70.com](http://www.Q70.com)

ITAR Warning: This product subject to the international traffic in arms regulations, contained in 22 CFR 120-130, prohibiting transfer to foreign nationals without a valid U.S. State Department export license. Violations are punishable by both civil and criminal penalties which may be severe.