

LOCKHEED MARTIN



***AN/UYQ-70 Next Generation
Peripheral OJ-721(V)***





AN/UYQ-70 Next Generation Peripheral OJ-721(V)

The Rack-Based Console (NGP) variant of AN/UYQ-70 (Q-70) is an integrated equipment group and software which functionally replaces OJ-172 (DEAC), OL-267 (DTG), USQ-69 (DTS), RD-358A (MTS/AEGIS DR) and LB-615 printer systems.

Replacement of these systems can be accomplished without modifications to existing combat system software, hardware or cabling.

All NGP configurations use standard Q-70 modules and components built on a flexible commercial off-the-shelf (COTS)-based open systems architecture and housed in an air cooled enclosure. The console is supported with the Q-70 Y2K certified standard suite of operating, development and maintenance software. U.S. Navy peripheral emulation software and support products are also available.

Mass Storage Devices

- Up to 20 half-height drive bays with open interconnect provide flexibility to add or upgrade device types
- Fixed or removeable hard drives of 2, 4, or 9 Gbyte capacity
- Other Q-70 drives optional:
 - Erasable Optical Disk (2.6/2.3 Gbytes)
 - CD-ROM (553 Mbytes)
 - 4 mm (2 Gbytes) and 8 mm (5 Gbytes) DAT
 - .25-inch QIC Tape (525 Mbytes)
 - 3.5-inch Floppy Disk

Printer

- Functionally equivalent to HP LaserJet III
- 15 PPM, direct thermal print

Human-Machine Interface

- Main display options:
 - 19-inch magnetically-protected color CRT
 - 20-inch Active Matrix Color Liquid Crystal Display (AMLCD) with flicker compensation for acoustic wave-form display
 - 16-inch AMLCD
- Retractable bullnose
 - Ruggedized 121-key keyboard includes 101-key functionality
 - Integral 2-inch sealed trackball
 - Various switches and indicators

Packaging

- Q-70 20-slot VMEbus card enclosure, 15/5, 10/10, and 5/5/5/5 backplane split optional
- Architecture is supportive of cost-effective mechanical adaptation or repackaging to meet specific platform requirements
- Militarized I/O connector interfaces

Environmental

- Qualified to U.S. Navy shipboard environmental requirements, including temperature, humidity, shock, vibration, EMI, inclination, enclosure (drip-proof), noise, altitude and magnetic
- Fully qualified and tested for shipboard use by OPTEVFOR

Reliability and Maintainability

- MTBF configuration dependent. Actual field reliability exceeds 5600 hours.
- MTTR less than 30 minutes
- Supported by extensive built-in-test (BIT) and diagnostics

Program Support

- Engineering services are available to add new features and assist users with specifying configurations
- Operating and development software is available, including peripheral emulation software

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

Technology Insertion

- Full management technology evaluation program for all users
- Open architecture provides ease of technology insertion
- 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:

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