

Card quick access recorder (CQAR)

Description

The card quick access recorder (CQAR) combines the functions of a high quality capacity quick access recorder (QAR), maintenance data recorder (MDR) and a data transfer unit (DTU) in one cockpit mountable unit.

The purpose of the CQAR is to enable data to be transferred to or from onboard system and simultaneously to accept and record data from an onboard acquisition system. The CQAR recording medium is a standard, commercially available, high capacity PCMCIA type II card.



Features

- Multi-purpose recorder
- Upload and download capability
- Very high capacity
- PCMCIA recording medium
- RS232/422 xmodem protocol
- ARINC 573/717 compatible
- Programmable data rate
- QAR interface
- IHUMS compatible
- MIL-STD 1553 compatible (optional)

Specification

Size (Cockpit mounted with Dzus fasteners)	Height	QAR 38.1 mm	DTU 76.12 mm
	Width	146.05 mm	146.05 mm
	Depth	145 mm	145 mm
Weight	Less than 1 kg		
Electrical power requirements	28 V DC		
Environmental qualification	To RTCA DO-160D		
Recording duration	25 to 200 hours		
Data inputs	RS232 data bus xmodem protocol (IHUMS functions) ARINC 573/717 MIL-STD 1553B		
Software certification	RTCA/DO-178B level C		
Reliability	15,000 hours		

Meggitt Avionics
7 Whittle Avenue
Segensworth West
Fareham
Hants
PO15 5SH
UK

Tel: +44 (0) 1489 483300
Fax: +44 (0) 1489 483340

www.meggitt-avionics.co.uk
www.meggitt.com

Specification subject to change.

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