

Industry's smallest and lightest wireless flight data solution



Upgrade Solutions - Manual to Automated Data transmission

L3 Harris QAR



Avionica's automated Flight Data Management Services deliver more data, faster with less cost to operate.

miniQAR MKIII / avCM

Discrete (e.g., WOW) integration

2 GB data storage

LTE

Quick Access Recording

Optional A429 data bus recording



Upgradeable on-wing

VPN security

Upgrade from L3 Harris QAR to advance MKIII and avCM

*Prices and discounts subject to change without notice

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miniQAR MKIII with avCM LTE Wireless GSE Module



Benefits on upgrading from L3 Harris QAR to MKIII + avCM

L3 Harris QAR

miniQAR MKIII

#	Features of Wireless QAR	L3 Harris	MKIII + avCM
1	Compatible with ARINC 573/717/747 FDRs	✓	✓
2	Optional ARINC 429 version with 2 inputs (high or low speed)	✓	✓
3	Approved by the FAA and EASA installation in most aircraft types	✓	✓
4	Lightweight at < 6 oz. (170 g)	✓	✓
5	Compatible with all major FDM analysis tools	✓	✓
6	EASA minor modification packages available	✓	✓
7	Automatic Wireless data transmission with Cell Module, Safe and secure	✗	✓
8	Transmission of data within 15 mins of landing Driving value faster in getting actionable insights	✗	✓
9	Timeliness of data with Reliability of over 99.8%	✗	✓
10	Cost effective with Seamless Solution (Nominal cost for upgrade)	✗	✓



miniQAR / avCM



avCM



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Light-weight and easy to install

Comparison of Manual vs Wireless data transfer Process

#	Manual Data transfer	Wireless Data transfer
1	Breakdown of process – 70% data capture rates	99.8% of Data Capture – Highly Reliable capture rate & Secure
2	Labor intensive – Need dedicated personnel	Automatic and no dedicated personnel needed
3	Data is not available quickly – Delay can be expected	Data available quickly within minutes of landing (<15Mins)
4	No immediate insights from FDM/FOQA Analytics	Immediate insights from FDM/FOQA Analytics – Flight crew through Pilot debriefs and Maintenance crew is benefitted with Insights on AOG or alerts.
5	Local dedicated personnel needed – Limited access to data	Automatic and 24/7/365 available through global Cellular Service Provider – Anytime and anywhere

SEAMLESS SOLUTION

Avionica is offering miniQAR-avCM seamless connected aircraft flight data solution.

This solution will enable operators to have full operational control over its data distribution and analytics to ensure the best possible outcomes.

Avionica's flight data management (FDM) solutions are robust. The modular FDM products include certified flight data recorder options and custom installations to best fit the operators.

WIRELESS ADVANTAGE


With your flight data always within reach, make quick money saving decisions on maintenance and operations.

Avoids the cost of media handling, data can be sent from anywhere in the world to your Headquarters, OEM, and/or FOQA providers facility simultaneously without lifting a finger, all through Avionica's avSYNC service.

Trust your FOQA/FDM data with the most reliable flight data delivery system in the world.

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BENEFITS in upgrading from L3 Harris to MKIII Wireless



Avionica miniQAR product line offers

Modular
Plug and play, direct replacement of L3 Harris QAR; install and go

Advanced Interface
Automatic and wireless transmission of data within minutes of aircraft landing, saving on maintenance costs and time

Fast, Reliable and Secure data transfer
Enables operators to have custom workflows optimized to customer specific FDM/FOQA programs

Light + Easy upgrade
No install kit required. Operator can upgrade previously installed L3 Harris QAR Box on any aircraft model with ease; pin-to-pin compatibility allows a swap to be performed in minutes. Total install in less than 2 hours.

Part Number Equivalencies

L3 Part Number	miniQAR MKIII
QAR100-0X-0()	804-1205
QAR201-0X-00	
QAR200-0X-0()	
QAR100-3X-0()	804-1216

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