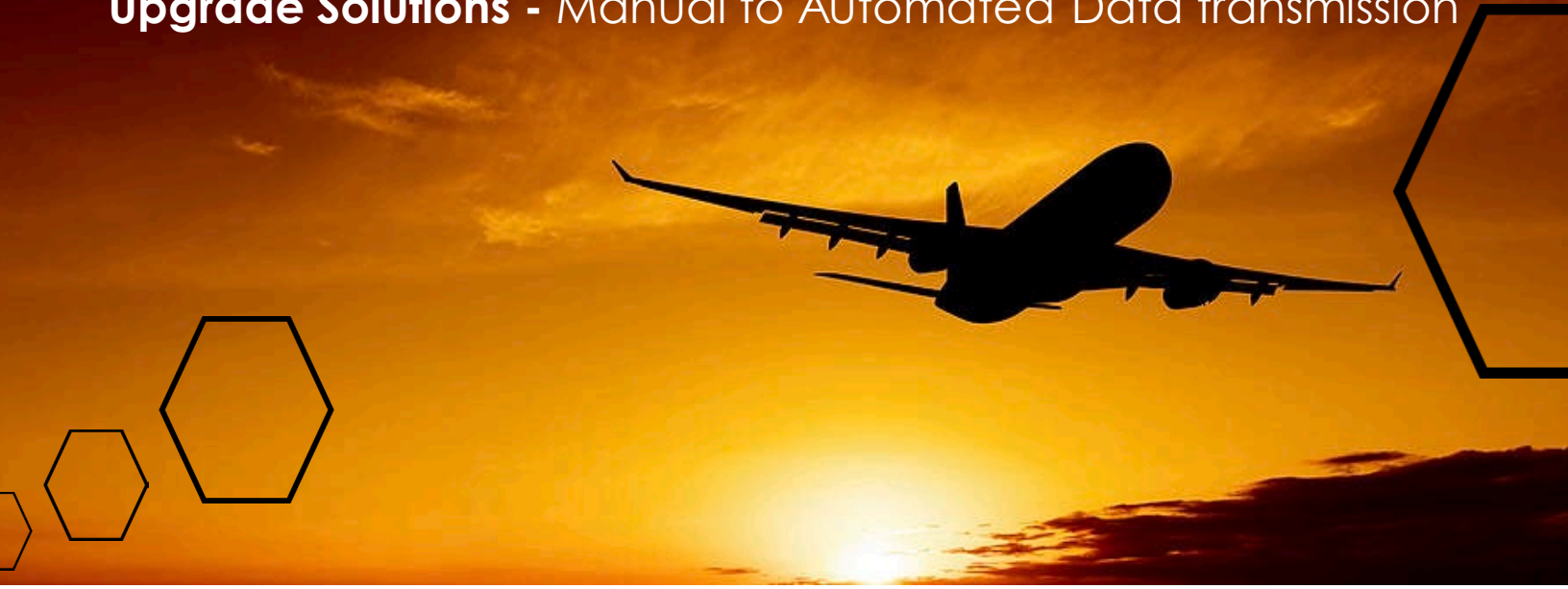


Industry's smallest and lightest wireless flight data solution

## Upgrade Solutions - Manual to Automated Data transmission



### Teledyne 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 Teledyne QAR to advance MKIII and avCM\*

\* Also available with an avRDC/avCM

\*Prices and discounts subject to change without notice

Contact Avionica

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☎ 786-544-1100

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9941 West Jessamine Street Miami, Florida 33157 USA

## miniQAR MKIII with avCM LTE Wireless GSE Module

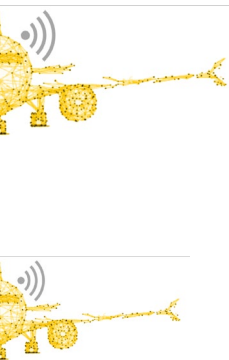


Teledyne QAR



### Benefits on upgrading from Teledyne QAR to MKIII + avCM miniQAR MKIII

#	Features of Wireless QAR	Teledyne	MKIII + avCM
1	Compatible with ARINC 573/717/747 FDRs	✓	✓
2	ARINC 429 capability	✓	✓
3	MTBF > 100,000 hours	✓	✓
4	Lightweight QAR 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	✗	✓



miniQAR / 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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## miniQAR MkIII with avCM LTE Wireless GSE Module

### BENEFITS in upgrading from Teledyne to MKIII Wireless\*



**Modular**  
 Plug and play Easy interchange of miniQAR and avCM modules, install and go

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

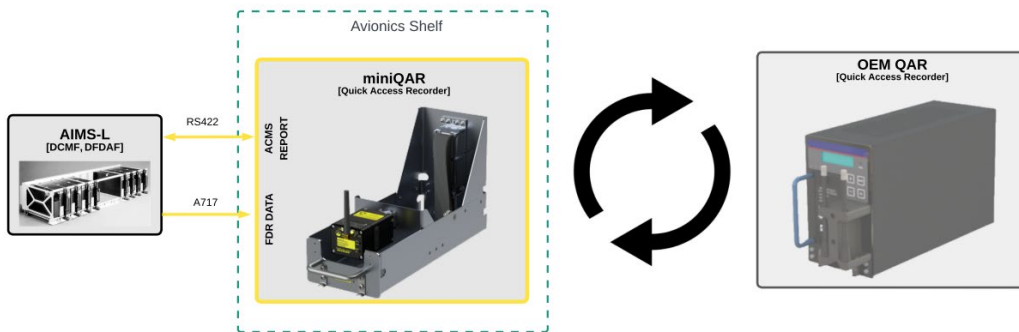
**Fast, Reliable and Secure data transfer**  
 Enables operators to have custom workflows optimized to customer specific FDM/FOQA programs.

**Light + Easy upgrade**  
 No install kit required. Operator can upgrade previously installed Teledyne 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

Teledyne	miniQAR MKIII	avRDC
2243800-()	Tray 400-21149G-3-715 QAR 804-1212 avCM 650-0100-05	Tray 400-21149G-3-615 avRDC 804-1250-32 avCM 650-0100-05

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



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