Vehicle Information System
AvR.eFuelling range

The AvR2016 eMobile Vehicle Information System provides for automatic data capture of aircraft refuelling operations. In addition to accurately capturing meter readings, the AvR2016 eMobile Vehicle Information System also records the time of operational activities such as fuelling start and stop.

A secure link between AvR eFuelling Operations Management software and the AvR2016 eMobile Vehicle Information System, connecting the fuel handler, office and pilot ensuring that all parties are kept up to date with the latest information and requirements in real-time.

The AvR2016 eMobile Vehicle Information System is the latest state of the art addition to AvR eFuelling range. This unit is continuously calculating the current status providing feedback on each, including advance predictions such as time to complete, helping streamline operations as was never possible before.

The system is fully IATA compliant and integrates as a solution that provides IATA pre-fuel and transaction standard compatibility.

AvR2016T eMobile System Device

The AvR2016T eMobile System Unit is fully Mil specified and ATEX approved for use outside of the vehicle in controlled zones.

Using the tablet outside of the vehicle cab enables the operator to view fuelling progress on the device and to take the device to the aircraft for electronic signature capture. Combining this with the mobile printer ensures the most efficient process of capturing the fuelling transaction and transmitting it directly to the office. The system produces full electronic tickets with ePODs. enabling electronic storage of tickets releasing the issues of paper ticket and speeding up reconciliation issues.

AvR.VI

The AvR.VI is a unique patent pending vehicle interface. Designed specifically to future proof the integration of vehicle systems with data capture systems, the AvR.VI is the hub of connectivity to the vehicle. Installation has been simplified with all connections via easy maintenance screw terminals.

Two electronic meter heads can be connected (either RS232 or RS422 communications to the meter) along with a slip printer (if fixed-in-cab printing is utilised) and a MSR (optional).
4 digital inputs and outputs are available for use. All digital inputs can be either positively or negatively switched, the provision of a slide switch to cater for the switching simplifies installation.

The AvR.VI connects via Bluetooth to the System Device running the AvR application.

AvR2016 eMobile Vehicle to Office Communications

4G (LTE) as standard allows apron wide communication at all times, with the capability of switching to WLAN when the vehicle is back in range. Security of refuelling information is of vital importance for into-plane operations and the AvR2016 eMobile system provides total security.

AvR2016 eMobile Main Features

- Low power
- Rugged construction
- Electronic signature capture
- Mobile printing
- Automatic adjustment of screen brightness
- Ease of installation
- Integrated 4G (LTE) & Wifi
- GPS as standard
- 4 Digital inputs (positively or negatively switched)
- 4 Digital outputs
- ATEX
- MIL spec
- ePOD

ebits
Global Refuelling Solutions

AvR.eFuelling range

AvR2016 eMobile Technical Specification

System Unit:

	AvR2016T
Processor	Bay Trail E3845 Quad Core 1.91GHz
Memory	4Gb
Solid State Drive (SSD)	64Gb
Operating System	Android 5.1
GPRS	4G LTE, 3G UMTS, 2G GSM
SIM Card	Micro-SIM
GPS	Yes
Bluetooth	4.0
Wireless LAN	802.11a/b/g/n/ac
Touchscreen	Yes
Size	10.1" WXGA (1366 x 768)

Power

Power Source	Vehicle (power convertor utilised)

Environmental

Operating	-34ºC to +60ºC
Storage	-30ºC to +70ºC
Humidity	95% non-condensing

Shock & Vibration

Vibration (random)	MIL-STD-810G, Method 514.6 E-1, Category 24
Vibration operating	MIL-STD-810G, Method 514.6 C-1 & C-3, Category 4
Shock	MIL-STD-810G, Method 516.6, Procedure I

Certification

	ATEX Zone 2 IP65 FCC CE Mark

Warranty

Terms	12 months return to supplier

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