aviONS extends the airline network beyond the limitations of its ground infrastructure as it connects the cockpit to the airline’s data network. With robust processing power and ample storage capacity, aviONS stands ready to host today’s advanced software applications critical to safe and efficient operations and still has the room to support tomorrow’s cutting-edge systems.

**Flexible and Lightweight**

Avionica’s engineering team looks beyond the basic standard and offers our customers a flexible product designed to accommodate their varied requirements with weight as little as 14oz/400 grams.

**Standardized**

We were actively involved in the development of the ARINC 759 Aircraft Interface Device (AID) standard. With a quarter century of experience developing products that link standard and non-standard avionics, our efforts have contributed to the development of a simple and affordable design standard.

**Experience Matters**

Avionica’s avRDC represents the continuing evolution of Avionica’s miniQAR family of products and can serve as a perfect AID in your application. Avionica’s miniQARs have provided real-time flight data over Ethernet to non-standard avionics systems, like Electronic Flight Bags (EFB), for over a decade. The rapidly expanding deployment of EFBs spurred our customers to request a growing number of interfaces to the miniQAR. Avionica responded with our avRDC platform, and with the advent of the ARINC 759 standard, now represents our AID offering.

Flight data from the Avionica system can be seen on a variety of displays.

**Options include:**

- Remote Data Concentrator (RDC)
- Airborne Data Loader (ADL)
- Quick Access Recorder (QAR)
- Iridium SATCOM
- Cabin/Flightdeck Server (1TB)
- 4G Gateway High Speed Packet Access (HSPA+)
- 802.11b/g/n WiFi

Avionica, LLC.
9941 West Jessamine St.
Miami, Florida 33157 USA
Phone: 786-544-1100
Fax: 786-544-1110
Email: sales@avionica.com / sales-eu@avionica.com

We’re Ready to Help
Whatever you need, Avionica is ready to help. Our team will work with you to meet your data and communications management needs.

www.avionica.com
Technical Specifications

**Size/Weight/Conformities**
- **Dimensions:** 7.15 (L) x 4.06 (W) x 2.60 (H) inches
- **Weight:** Max 3.0 lbs
- **Conformities:** DO178 DAL D

**Interfaces**
- ARINC 429: 10 RX 8 RX
- ARINC 410 Discretes: 10 IN 10 OUT
- ARINC 717 RX (BiPhase or RZ): 1 IN
- RS 232: 5 IN 4 OUT
- RS 422: 2 IN 2 OUT
- DO 210 ACP Audio: 2 IN 2 OUT
- Full Duplex, Switched Ethernet: UP TO 6
- Ethernet Security Domains: 3
- USB 2.0 GSE Port: 1
- Removable SD card bays: 2

**STCs**
- Approved Model List (AML) STC includes close to 250 aircraft models from Boeing, Airbus, ATR, Embraer, Bombardier, Gulfstream, Cessna, Dassault, SAAB, and more.

**Standard**
- ARINC 717 flight data recording function
- ARINC 429 flight data recording with smart label filtering
- DFDAU/DMU ACMS Report Recording
- ARINC 759 Aircraft Interface Device function

**Options**
- Secure Data and Software Hosting
- ARINC 615-3/4 + 615A Airborne Dataloader Function
- 802.11 b/g/n WiFi Wireless
- Worldwide 3G/4G Cellular Wireless
- Wireless Internet Gateway/Router
- Virtual HTML5 MCDU interface

**Environmental**
- Temperature: -40°C to +70°C Operating
- Altitude: 0 to +15,000 feet
- Vibration: DO160G Category S
- Shock: DO160G Category B

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