

Kontron Device Management for Avionics



- › Expertly manage global fleet devices with confidence
- › Get instant alerts, diagnose and fix, monitor status
- › Enables remote management and updates of on-board system content, securely and at scale
- › Easily customizable and extensible to meet deployment needs
- › Supports connected and partially connected fleet systems
- › Integrated solution that works with Kontron platforms running on Kontron OS for Avionics, or 3rd-party systems

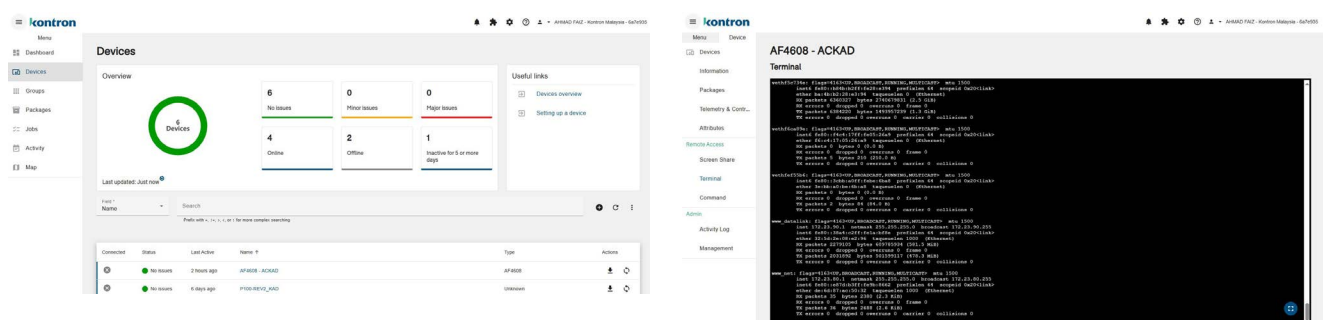
- Kontron Device Management for Avionics is a highly flexible and scalable cloud-based solution with integrated dashboards giving you the capability to remotely manage Kontron servers and modem managers deployed on aircraft fleets
- Kontron's complete platform ownership makes it possible to customize and configure different services and solutions that can be tailor made to customers unique requirements
- The adoption and deployment of Kontron Device Management for Avionics can support new revenue generating services that enable airlines to provide unprecedented passenger experience



Example Use Cases

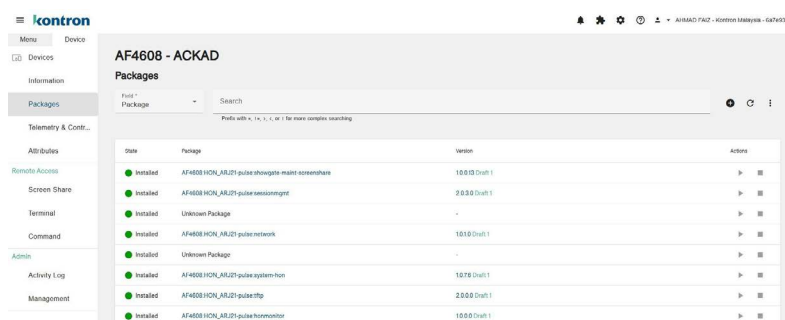
- **Remote Diagnostics and OTA Updates:** Utilize remote diagnostics capabilities to identify and troubleshoot platform issues remotely, minimizing the need for manual inspections and onsite debugging
- **Content Refresh:** OTA updates enable airlines to regularly refresh IFE content, including movies, TV shows, music, and games, without requiring physical intervention or aircraft downtime. This ensures passengers have access to the latest entertainment options, enhancing the in-flight experience
- **Software Enhancements:** Airlines can use OTA updates to deploy software enhancements and bug fixes to the IFE and IFC platforms, improving performance, stability, and user experience. Updates can address issues reported by passengers or discovered during routine maintenance checks
- **Security Patches:** OTA updates facilitate the timely deployment of security patches to address vulnerabilities in the IFE and IFC systems. This helps mitigate the risk of cyberattacks and ensures passenger data and onboard systems remain secure throughout the flight
- **Service Upgrades:** Airlines can roll out service upgrades and new features to the IFE and IFC platforms via OTA updates. This may include introducing premium content offerings, interactive features, or personalized recommendations to enhance passenger satisfaction and loyalty
- **Fleet-wide Deployment:** OTA updates enable airlines to deploy software updates and content changes simultaneously across their entire fleet of aircraft, regardless of their location or flight status. This ensures consistency in the passenger experience and facilitates centralized fleet management
- **In-Flight Shopping and Retail Partnerships:** Leveraging data on passenger preferences and purchasing behaviors, airlines can partner with retail brands to promote and sell products through the IFE system or onboard Wi-Fi portals
- **Personalized Content Recommendations:** Analyzing passenger preferences and viewing habits collected from IFE systems allows airlines to tailor content recommendations

- Easily monitor the connection status of deployed systems
- Monitoring by Aircraft Tail Sign, Call Sign
- Effortlessly keep track of inventory or deployed systems on the aircraft, including servers, modem managers, access points, and more
- Retrieve platform-specific information such as part numbers, serial numbers, application versions, license status, and last updates to running software
- Real-time location reporting based on ARINC or ADS-B information (depending on server type used) visualized on a map
- Convenient viewing of deployed platform health status, including network, system resources, and performance. Quick identification of warnings and faults existing on the platforms
- Comprehensive retrieval of system, application, and health logs, significantly streamlining remote analysis and debugging processes
- Provides secure CLI access to the deployed platforms

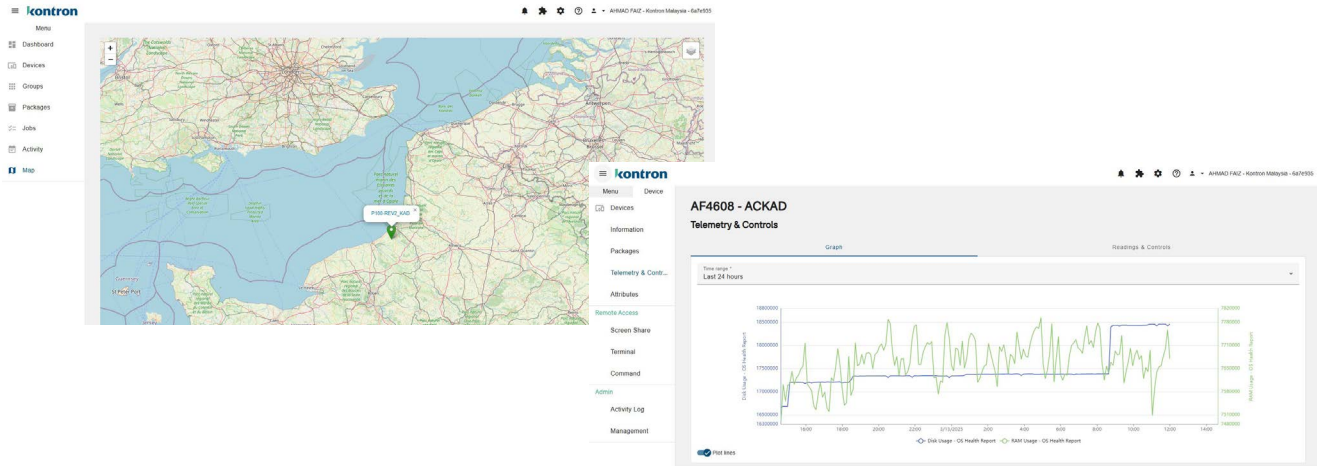


Remote Software And Content Updates

- Capability to upload updates and schedule when they will be pushed and applied to the deployed platforms
- Provides an overview of the current running version and if updates are available



- › Integrated data analytics capabilities visualized as charts and graphs based on user selected parameters
- › Fully-featured REST API to access all functionality for integration with existing systems



Extended Service Offering

- › Kontron Device Management for Avionics configuration support (Quarterly / Yearly SLA)
- › Kontron Device Management for Avionics Maintenance support (Yearly Contract)
- › Kontron Device Management for Avionics Customization Support (NRE Based)

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