IoT ECOSPHERE

Flexible implementation options with customizable configurations to suit specific needs.

Comprehensive cabin insights with tracking and analytics for cabin operations.

Collects data using a wide range of communication protocols.

Complies with ARINC security standards.

Delta Flight Products (DFP)'s IoT solution offers a unified platform for comprehensive cabin management, providing insights into operational patterns and key performance metrics. The IoT Gateway serves as the central hub enabling seamless communication to various cabin components. To ensure compatibility and interoperability among IoT devices, the IoT Gateway supports a variety of communication protocols and securely collects data. This information is then offloaded via Wi-Fi, Cellular network, or Satcom and reported to DFP's SkyPulse or other visual analytics tools for comprehensive display and in-depth analytics, including predictive maintenance.

IoT ECOSPHERE

ARINC 836
Form Factor

IoT GATEWAY

ONE GATEWAY PER AIRCRAFT FOR MOST USE CASES

Flight Products

SkyPulse

Wi-Fi
SATCOM
CELLULAR

DATA ANALYTICS
DECREASE WASTE
PREDICTIVE MAINTENANCE
CURATE PASSENGER EXPERIENCE
INCREASE OPERATIONAL EFFICIENCY

GROUND SIDE

THE THINGS

GALLEY CARTS
GALLEY INSERTS
BEVERAGE CONSUMPTION
ENGINE MONITORING SYSTEMS
AIRCRAFT CONDITION MONITORING SYSTEM

LoRa
Wi-Fi
CAN Bus
ARINC 429
BLUETOOTH LE

AIR SIDE

Collects data using a wide range of communication protocols, such as Wi-Fi, Bluetooth, ARINC429, etc.

ARINC 853 compliant.

Over-the-air (OTA) software and configuration updates.

Fully customizable alerts and reports.

Effortless installation and seamless configuration.

TECH SPEC

Delta Flight Products (DFP)'s IoT solution offers a unified platform for comprehensive cabin management, providing insights into operational patterns and key performance metrics. The IoT Gateway serves as the central hub enabling seamless communication to various cabin components. To ensure compatibility and interoperability among IoT devices, the IoT Gateway supports a variety of communication protocols and securely collects data. This information is then offloaded via Wi-Fi, Cellular network, or Satcom and reported to DFP's SkyPulse or other visual analytics tools for comprehensive display and in-depth analytics, including predictive maintenance.