UltraConnect

A Global Aviation Message Distribution Service

Features

- Reliable routing of all airline mesage traffic, with end to end monitoring and management
- A service not just a product
- Secure and based on low-cost VPN technologies
- Supports all airline messages, including IATA RP1745 (BSMs)
- Subscription based pricing
- Lower TCO for both airline and airport end-subscribers

Provide a service underpinned by Service Level Agreements - both to airlines and airports

Robust and reliable - fault-redundant connectivity options

24x7 system monitoring by the Ultra Service Desk

Simplified identification and resolution of message delivery failures

End to end diagnostics and monitoring

Key Features

- Secure and based on low-cost internet networking through VPN technologies
- Scalable
- Strategic and future-proofed
- Based on widely used COTS technologies
- Capable of localised message distribution
- Publish/Subscribe framework: Supports configurable content based message routing
- Native support for proposed TypeX IATA standard
- Subscription based pricing

Ultra ELECTRONICS

UltraConnect

As a global messaging system UltraConnect makes full use of the latest technologies available. UltraConnect can be installed at an Airport or a hosting centre.

Through the use of VPN (Secure internet connection) technology an instance of UltraConnect can then connect to any other instance of UltraConnect as needed (or to a regional node that will then pass the messages onto the next UltraConnect).

UltraConnect uses TYPEX message structures for all message routing. This means that UltraConnect is already positioned for TYPEX as airlines and airports migrate to TYPEX.

When UltraConnect is installed at an Airport UltraConnect can act as an internal (Airport) message routing system, receiving messages from external and internal sources and then routing those messages onto the relevant systems.

E.G. UltraConnect will receive connections from an External UltraConnect and or External Host DCS's and internal "Local" DCS's. UltraConnect will then pass the relevant messages onto the Baggage Handling Systems, FIDS etc and send back response messages as required.

UltraConnect facilitates ease of connectivity. Both stateful and stateless connections are utilised.

Stateful Connections allow UltraConnect to monitor the connections and raise alerts should any errors or disconnections occur

1. TCP/IP connections into UltraConnect
2. Microsoft MSMQ connectivity
3. IBM MQ Connectivity
4. Folder Watchers (Placed on the client and then connects to UltraConnect)

Stateless Connections (No monitoring available due to the nature of the connections)

1. Web Service
2. Windows Printers (using TCP/IP connection to UltraConnect)
3. TCP/IP connections that receive raw data without authentication.

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