

Smart Airport and Airline Solutions

Executive Summary

Airports and airlines are increasingly in need of reliable wireless connectivity for business-critical applications. Good connectivity must address operational services both above-wing and below-wing, as well as security concerns and concessionaire services. In addition, airports and airlines want ownership and control of their own data. The challenge is that typical Wi-Fi networks lack security and performance capabilities. Public wireless alternatives often provide insufficient indoor coverage and can be prohibitively expensive.

Airports of the Future Welcome Smart Solutions

New private wireless solutions can be the future for airports and airlines. Taking the advantages of a private 5G network behind a private firewall offers both security, data control and better performance for business-critical applications. Smart airports can meet the growing demand for faster speeds, lower latency, and higher bandwidth — even those required to support emerging technologies like artificial intelligence (AI), automation, and Internet of Things (IoT) applications. To smooth this transition, some airports are turning to solutions that are fully managed by network and security experts to ensure optimal security and performance without taxing in-house staff.

Betacom Offers a Turnkey Managed Service

With a managed service solution, a private wireless network becomes the backbone for airport and airline services which can adapt and grow as service needs change. The right technology partner knows how to accommodate the demands of airport operations and security by leveraging new networking solutions without excessive costs.

Betacom is a proven partner with 30 years of experience providing wireless communication infrastructure solutions in complex environments, including projects at Miami (MIA), Orlando (MCO), Raleigh-Durham (RDU), Atlanta (ATL), Nashville (BNA) and Minneapolis-Saint Paul (MSP) airports. Our team of experts operate with airport safety and security top-of-mind, with the least amount of impact to your staff, stakeholders, and travelers throughout the deployment process.

Betacom 5G as a Service (5GaaS) is a turnkey managed service that provides airports and airlines with a 4G/5G private wireless network for business-critical applications. It offers best-in-class security, coverage, and high-bandwidth, low-latency performance. And all data is managed on-premises, owned and controlled by the airport and/or airline, behind your firewall. With Betacom 5GaaS, since you own the data, there is no need to worry about variable rate data plans.

Our Security and Services Operation Center (SSOC):

- A highly secure command center
- Equipped with the latest AIOps tools
- Staffed by technical experts
- Proactively monitoring and managing the network
- The heart of 5GaaS

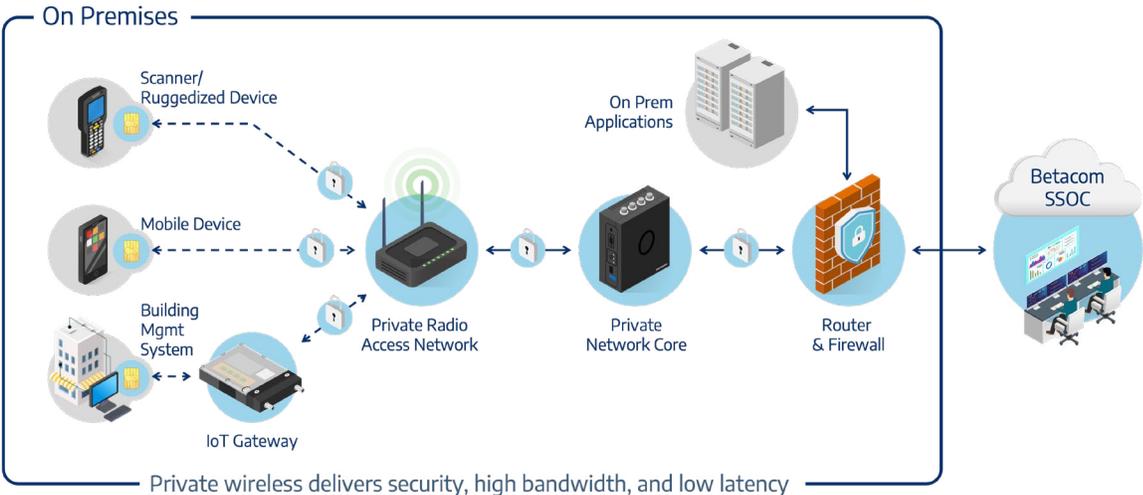


Figure 2: Betacom 5G as a Service Architecture



Benefits of a Betacom Smart Airport Solution

Airport and airlines executives across the country have identified these mission-critical situations in which Betacom 5GaaS helps them achieve their business objectives:



Above-Wing Operations: Customer service agents and lounge service crews can connect to business applications on tablets via private wireless throughout the airport. This can enhance boarding at the gate, staff communications, and the passenger experience.



Below-Wing Operations: Private wireless solutions can be built throughout the airport so ramp agents, guest service agents, fleet services, mechanics, engineers, and logistics managers can connect to business-critical applications with barcode scanners, smart devices, and IoT asset trackers.



Check-In: Using dedicated wireless connectivity, commonly used biometric check-in kiosks can be flexibly located where they are needed most.



Passenger Connectivity: As airport business traffic is moved to the private network, the airport can create an exclusive passenger Wi-Fi network that leverages private wireless for backhaul, giving travelers the best possible experience on your Wi-Fi network.



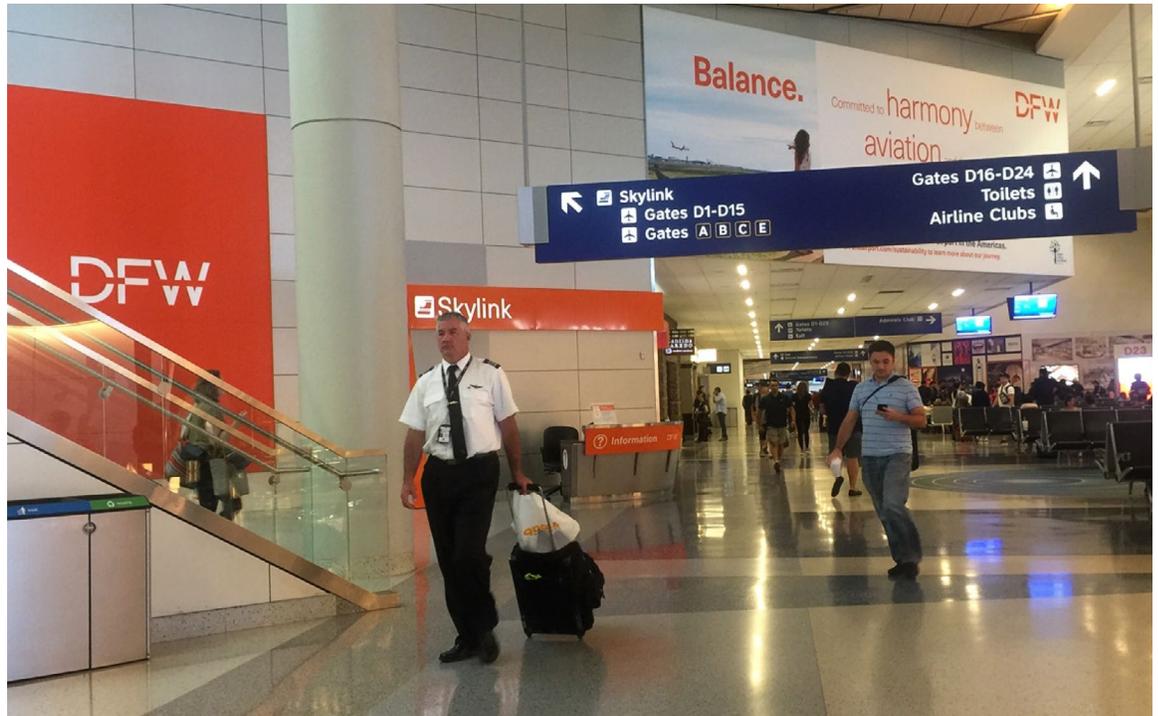
Concession Operations: With network slicing on 5GaaS, network segments can be dedicated to specific stakeholders including restaurants and retailers for connecting point-of-sale, machine vision, retail analytics, and security applications.



Building Operations: Connect building management, HVAC, fire alarms, lighting, utilities, and elevator systems to achieve optimal indoor environments, reduce utility costs, and enable predictive maintenance.



Security: Connect to cameras and CCTV to respectfully track passenger and employee movement. The system can also be used to provide VIPs with high-value services.



Betacom 5G as a Service Ticks all the Boxes

Betacom 5GaaS enables airports and airlines to provide superior connectivity to improve operational efficiency and create opportunity for new revenue streams. It is a turnkey managed solution that allows you to control the performance criteria, the data, and the network as a whole – while Betacom manages the network for you with full visibility and support. It checks all the boxes for the smart airport/airline solution that meets your needs now and into the future:

- ✓ Private and highly secure connectivity; you own the data.
- ✓ Delivers high speeds and low latency performance.
- ✓ Cloud-based using wireless technology that can evolve to 5G.
- ✓ Flexible to accommodate discrete services and scale as needed.
- ✓ Best-in-class solution from a proven technology provider.
- ✓ Designed for business-critical demands.
- ✓ Your network without in-house staff or stress; Betacom operates it.

Contact us to learn more:
www.betacom.com/contact-us

Betacom 