Make Every Traveler Connection Count

Enhancing airport experiences with AI-Native Networking

Create network services that enrich the experience for travelers and airport personnel

Learn more →

The challenge

Air travelers deserve better

Government investments in airport infrastructure represent an opportunity to create new and improved airport experiences for 900 million travelers annually and the businesses and people who support them on their journeys.

Networks that can reliably deliver connectivity, performance, and security will help these airports achieve their digital transformation goals.

Why AI-Native?

The NOW Way to Network for modern airports

Juniper's AI-Native Networking Platform enables seamless airport networking and operations by enhancing connectivity and delivering traveler-centric experiences. By automating IT operations, proactively preventing disruption, and providing comprehensive network security, our platform enables a safer and more reliable airport network environment.

FAA's Airport Terminals Program allocates **$1 billion in grants annually** to address aging infrastructure.

Traveler experience

- Juniper Mist AI delivers robust, high-speed Wi-Fi, ensuring travelers can connect to the internet without interruptions
- Mist's Virtual Bluetooth LE (vBLE) technology enables location-aware services, such as guided navigation, personalized notifications, and proximity-based offers

Terminal interconnect

- Juniper data center solutions offer flexible, scalable, and secure virtualized networks to interconnect terminals and handle increasing data traffic, automatically rerouting over the best available path, ensuring interrupted communication between high-performance routing and switching

Enhanced passenger and operational services

- Real-time data sharing across terminals to support critical services like flight coordination, baggage handling, and passenger flow management with a scalable infrastructure to support future expansions, such as new terminals and advanced technologies

Airport security

- Monitoring and coordination of physical controls, including cameras, motion sensors, and access control systems. Support for high-bandwidth applications like facial recognition, baggage scanning, and automated security checkpoints
- Advanced threat protection against cyber threats while automating and simplifying security management. Juniper ensures strict access control for devices and users, reducing risks of unauthorized access

How it works

AI-Native digital services in places of government

Juniper's AI-Native Networking Platform optimizes the network and users' connected devices to deliver data-driven, automated decision-making to increase efficiency and save time and money.

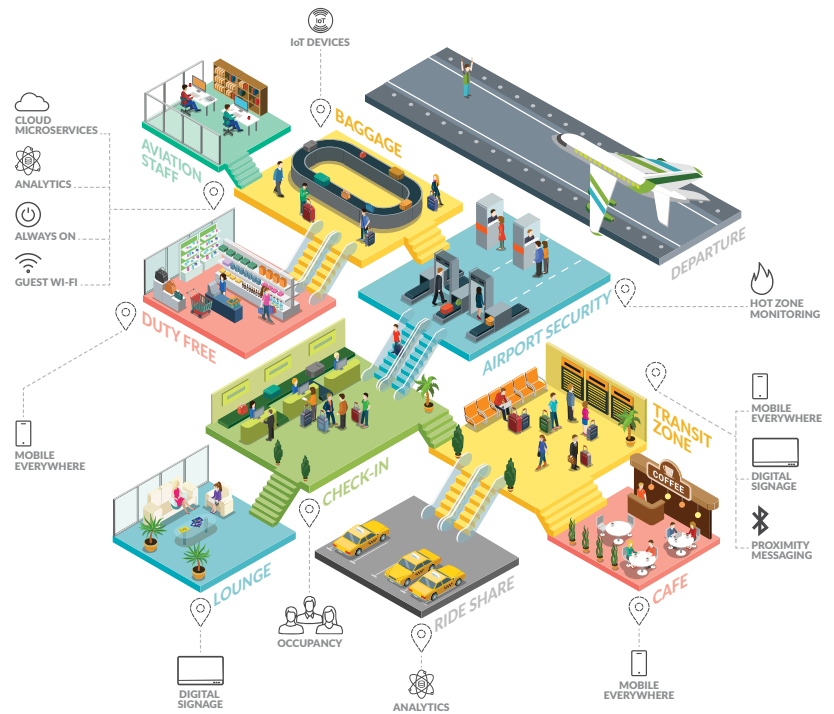|	
Centralized AI-informed management	Consolidate and analyze data across all airport systems and applications
Modern SaaS cloud	Use microservices for faster development
Virtual network assistance	Move away from reactive troubleshooting to proactive resolution
Open cloud	Integrate with third-party applications using our rich API suite

Juniper airport solutions
Traveler experience assurance

RELIABLE TERMINAL NETWORK INTERCONNECT	HIGHEST EFFICACY CYBERSECURITY	AUTOMATED DATA CENTER

Cloud microservices
Innovate for experience and safety

Occupancy
Know tenants, security, travelers

Mobile everywhere
Wayfind, notify, pay, reward loyalty

Analytics
Make better business decisions

Guest Wi-Fi
See real-time traveler experience

Proximity messaging
Increase accuracy with virtual beacons

Always on
Scale the connected experience

IoT devices
Integrate telemetry data and operations

Digital signage
Target messaging, update services

Hot zone monitoring
Automate scheduling and queueing by zone

Take the next step

Contact sales

Contact us →

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