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Connectivity Snapshot

INDUSTRY INSIGHTS - DECEMBER 2024

Holiday Highlights: December's Connectivity Breakthroughs

December brings a flurry of innovation in the connectivity industry, with INCE scaling its IoT platform via AWS and Cubic Telecom powering satellite connectivity with Skylo. Airspan and AWTG boost UK railways with 5G, while Arelion strengthens U.S. network diversity. Partnerships like Wind River and Boost Mobile drive cloud progress, and leadership changes prepare Ciena for a strong 2025.

In this issue:

[INCE signs long-term strategic collaboration with AWS](#)

[Ciena announces Lawton Fitt as Independent Chair of Board of Directors](#)

Featured Companies

INCE	Cirata
AWS	Databricks
Cubic Telecom	Wind River
Skylo Technologies	Boost Mobile
Airspan Networks	Spirent
AWTG	Siemens
Arelion	Ciena

Fancy a listen?



INCE signs long-term strategic collaboration with AWS

INCE has partnered with AWS to scale its IoT software platform, now managing the world's largest cloud-based IoT core with 23,000 customers and 30 million endpoints across 173 countries.

The collaboration leverages AWS infrastructure to enhance INCE's affordable, reliable, and consistent IoT services. INCE's platform accelerates IoT deployment, improves battery life, and enables GPS-free location tracking. This partnership also supports developing new software tools, reinforcing INCE's position as a top global IoT provider.

[Read article](#)

Cubic Telecom has partnered with Skylo Technologies to introduce satellite capabilities for vehicles

Cubic Telecom and Skylo Technologies have partnered to bring satellite connectivity to vehicles, enabling seamless location tracking, remote diagnostics, emergency communication, and more.

By integrating Skylo's non-terrestrial network (NTN) capabilities with Cubic's software-defined vehicle solutions, the partnership ensures reliable global coverage, switching effortlessly between cellular and satellite networks.

This innovation enhances safety and sustainability while optimizing energy use and data security.

[Read article](#)

Airspan Networks partner with AWTG to enhance railway connectivity in the UK

Airspan Networks and AWTG have partnered to enhance railway connectivity in the UK through the England's Connected Heartland Railways (ECH-R) project, part of the UK's 5G Innovation Regions program.

Airspan's AirSpeed™ 1900 Outdoor Small Cells will deliver reliable 5G standalone connectivity, improving passenger broadband, operational efficiency, and trackside access for rural communities. This initiative sets a blueprint for 5G expansion across UK railways, showcasing the potential of cost-effective 5G networks in transport and rural sectors.

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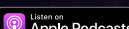
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Arelion launches Gulf Coast route to enhance North American network diversity

Arelion has launched a new diverse Gulf Coast route connecting Houston, TX, to Jacksonville, FL, via Slidell, LA, Mobile, AL, and Tallahassee, FL, to enhance North American network diversity.

The route supports low-latency IP services and terabit-scale capacities for AI/ML applications and East-West traffic flows. It connects East Coast landing stations to Texas and Mexico PoPs, bolstering data centre growth along the Gulf Coast.

This expansion also adds a fourth diverse path into Tallahassee, supports connectivity to Atlanta, and strengthens technology ecosystems in booming data centre markets.

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Cirata expands partnership with Databricks to deliver professional services for cloud migration and modernisation

Cirata has expanded its partnership with Databricks to offer professional services for cloud migration and modernization, including its new Data Migration as a Service (DMaaS). This offering enables enterprises to seamlessly migrate legacy Hadoop infrastructures to the Databricks Data Intelligence Platform, optimizing cloud environments and accelerating data analytics and AI adoption.

DMaaS automates transfers to major cloud platforms, reduces migration times to as little as two weeks, and ensures zero data loss. This collaboration helps enterprises unlock operational efficiency and data-driven innovation.

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Wind River and Boost Mobile collaborate on largest CaaS vendor changeover on an Open RAN Network

Boost Mobile and Wind River have announced a partnership to transition Boost Mobile's Open RAN 5G network to Wind River Studio Operator, marking the largest containers-as-a-service (CaaS) vendor changeover on an Open RAN network.

This collaboration ensures cutting-edge cloud-native technology for Boost Mobile's nationwide 5G network. Wind River's Kubernetes-based Studio Operator provides seamless orchestration, automation, and AI-driven analytics for efficient edge-to-core operations.

This milestone reinforces Boost Mobile's leadership in Open RAN innovation and commitment to delivering high-speed, reliable, cost-effective 5G services.

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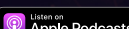
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Spirent Collaborate with Siemens to deliver sophisticated Pre-Silicon verification

Spirent Communications and Siemens Digital Industries Software have partnered to deliver an advanced pre-silicon Ethernet chipset verification solution. By integrating Spirent TestCenter Virtual with Siemens' Veloce™ software, the solution accelerates Ethernet chipset design for applications like AI networking and service provider edge networks.

This innovation enables real-world Ethernet traffic testing in early design stages, reducing complexity and time-to-market. The solution offers cost-effective, flexible, and robust verification, ensuring products meet performance standards before silicon development.

[Read article](#)

Ciena announces Lawton Fitt as Independent Chair of Board of Directors

Ciena Corporation has appointed Lawton W. Fitt as independent Chair of its Board of Directors, effective December 11, 2024. Fitt, a Ciena board member since 2000, succeeds Patrick H. Nettles, Ph.D., who will retire following Ciena's 2025 Annual Meeting. Fitt brings extensive leadership experience, including roles at Goldman Sachs, The Carlyle Group, and Progressive Corporation. CEO Gary Smith expressed enthusiasm stating "Lawton is an exceptional leader with broad public company experience, an understanding of growing technology businesses, and a track record of driving growth and delivering shareholder value."

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