

Bloxtel Tokenizes 5G Infrastructure on Avalanche

Onstage at the Avalanche Summit, Bloxtel demonstrates its new, all-in-one 5G AP 201 hardware platform, tokenized on the Avalanche blockchain.

NEW YORK, NY, UNITED STATES, September 17, 2026 /EINPresswire.com/ -- Bloxtel, developer of private 5G network solutions, today showcased its newest 5G access point, the AP 201, onstage at the Avalanche Summit alongside its Operator dApp, the peer-to-peer software enterprises will use to run a deployed unit end to end. The appearance is a public milestone in Bloxtel's strategic partnership with Ava Labs, under which the two organizations are building the market's first fully decentralized 5G network.

"We built the AP 201 so that deploying carrier-grade 5G is as simple as plugging in a Wi-Fi router, and so that whoever plugs it in can own a piece of the network they're building," said Izzo Wane, Co-founder and CEO of Bloxtel. "Putting it on stage next to the Operator dApp at the Summit is the clearest way we know to make that concrete: here is the box, here is the software that runs it, and here is where its identity lives on-chain."

The AP 201 collapses a radio, a 3GPP Release 17 standalone 5G core, and an operations layer into one passively cooled enclosure. That operations layer includes Graham, Bloxtel's built-in AI agent: it autonomously monitors the network, explains failures in plain language, so a fleet of access points can be run without a Network Operations Center (NOC) reading raw logs behind it. Rather than running on infrastructure a single carrier owns and leases, each unit is registered on-chain as its own address, and the subscriber credentials that connect to it are minted as dSIM® tokens: real-world assets that let a landlord, a venue, or a community fund a cell the same way they might back a piece of physical infrastructure, and earn against the traffic it carries.

"Real-world assets on Avalanche have largely focused on funds, credit and other financial instruments, and Bloxtel extends that model into physical network infrastructure," said John Nahas, Chief Business Officer at Ava Labs. "Each token represents ownership in a live, revenue-generating cell, connecting onchain ownership directly to real economic activity. This is the kind of practical, real-world utility Avalanche was designed to support."

The hardware on stage is itself the product of an earlier milestone this year. In April 2026, Bloxtel and Askey announced a strategic partnership to co-design and manufacture the AP 201 around Askey's SCU5000 small-cell platform. Askey customized the hardware and its firmware around

Bloxtel's Open6GC core, so the control plane and user plane run natively on the same board as the radio instead of reaching back to a data center. That custom fit is what turns a 5G core into something a single tokenized box can carry: the AP 201 deploys like an enterprise Wi-Fi access point but runs a full carrier-grade 5G core inside it.

Decentralized wireless has largely proven itself out on unlicensed spectrum, with today's largest networks built around Wi-Fi and IoT connectivity rather than a licensed cellular core. Bloxtel is pursuing a far more complex architecture, the industry's holy grail, that other vendors have not been able to technically solve and package together. The unique approach, enabled by the patented dSIM® technology, is the market's only standalone cellular core that needs no incumbent network underneath it, with the radio hardware itself, not just access to it, tokenized and owned on-chain.

That complexity pays off because Wi-Fi's unlicensed, contention-based spectrum makes it cheap and easy to deploy, but performance degrades unpredictably as more devices share the same channel. Licensed and CBRS-managed spectrum gives a 5G network guaranteed capacity and deterministic quality of service instead, delivering the kind of reliability a hospital floor, a warehouse robot fleet, or a public-safety network needs and Wi-Fi alone cannot promise. That gap is where enterprises turn to private cellular, and it's the market the AP 201 is built for. The Avalanche Summit appearance is the first time the new hardware and its operator tooling have been shown together in public.

The AP 201 is available for pre-order today, with shipping to begin before the end of 2026. Details and reservations are open now at bloxtel.com/preorder.

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