TALUS
COMMUNICATIONS LLC

NEXT-GEN NETWORKS • CONNECTING COMMUNITIES

Expand Cellular Coverage & Capacity Using Existing Wi-Fi

Turn Existing Wi-Fi Infrastructure into Enterprise Carrier Offload with Talus AirBridge Technology

Talus AirBridge provides a turnkey solution that enables IEEE 802.11u / Passpoint capabilities on your existing enterprise access points. Mobile devices securely and seamlessly authenticate to Wi-Fi as if connecting to a macro cell tower—eliminating cellular dead zones without expensive new physical infrastructure.

KEY BENEFITS & CAPABILITIES

✓ Zero User Friction

No SSIDs, passwords, or captive portals required. Authentication is handled automatically via the device's native SIM card.

✓ Eliminates Indoor Dead Zones

Provides robust cellular coverage across campuses, buildings, stadiums, and remote areas where Wi-Fi is already deployed.

✓ Critical Operations & Public Safety

Delivers essential extra network capacity during high-density events, heightened security operations, and emergency services.

✓ Proven at Scale

Deployed across municipalities, K-12 districts, universities, and healthcare providers.

HOW IT WORKS – *Talus AirBridge*



Client Device: Mobile device detects an 802.11u enabled enterprise AP.

Secure Handshake: Device SIM authenticates via an encrypted RadSec proxy.

Authentication Broker: Requests are routed securely to AT&T, T-Mobile, or Verizon.

Seamless Connection: User is attached to the carrier network via Wi-Fi transparently.

WHY CHOOSE *Talus AirBridge* CARRIER OFFLOAD OVER DAS?

Solution Approach	Deployment Time	Capital Cost	Infrastructure Requirements
Talus AirBridge	Fast (Days/Weeks)	Low (Software / Services)	Existing Wi-Fi access points
Distributed Antenna System (DAS)	Slow (6–18 Months)	Very High	New Coax/Fiber & Antennas
Cell Boosters / Small Cells	Moderate	Moderate to High	Dedicated Hardware per Carrier

UNIVERSAL HARDWARE & CLIENT COMPATIBILITY

Supported Enterprise AP Vendors:	Cisco (Catalyst, Meraki), HPE Aruba, Ruckus, Juniper (Mist), Extreme Networks, Fortinet, Ubiquiti, Cambium, TP-Link, and more.
Client Device Support:	Native support in all modern 4/5G smartphones, tablets, and laptops; Apple iOS, Android, and devices powered by Qualcomm, Intel, Broadcom, and MediaTek Wi-Fi chipsets.
First Responder Ready:	FirstNet and E911 services are fully supported, including call geolocation.

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