



Altai Technologies: Redefining Wireless Excellence

Mission Critical Infrastructure Connected with RELIABILITY

Altai Technologies stands as a global pioneer in industrial-grade WiFi solutions, with established operations across **100+ countries**. Our flagship Altai **Super WiFi™** platform represents the pinnacle of purpose-built wireless technology, delivering comprehensive indoor and outdoor solutions for telecommunications carriers, Wireless Internet Service Providers (WISPs), enterprise organizations, and industrial complexes. Through our patented smart antenna technology and **AltaiCare/Insights** cloud management platform, we've engineered a solution that sets new standards for wireless network deployment and management.



Airports

Seamless connectivity for passengers and operations.



Mining Sites

Robust wireless for remote and harsh environments.



Ports

Efficient data flow for logistics and cargo handling.



Warehouses

Reliable connectivity for inventory and asset tracking.



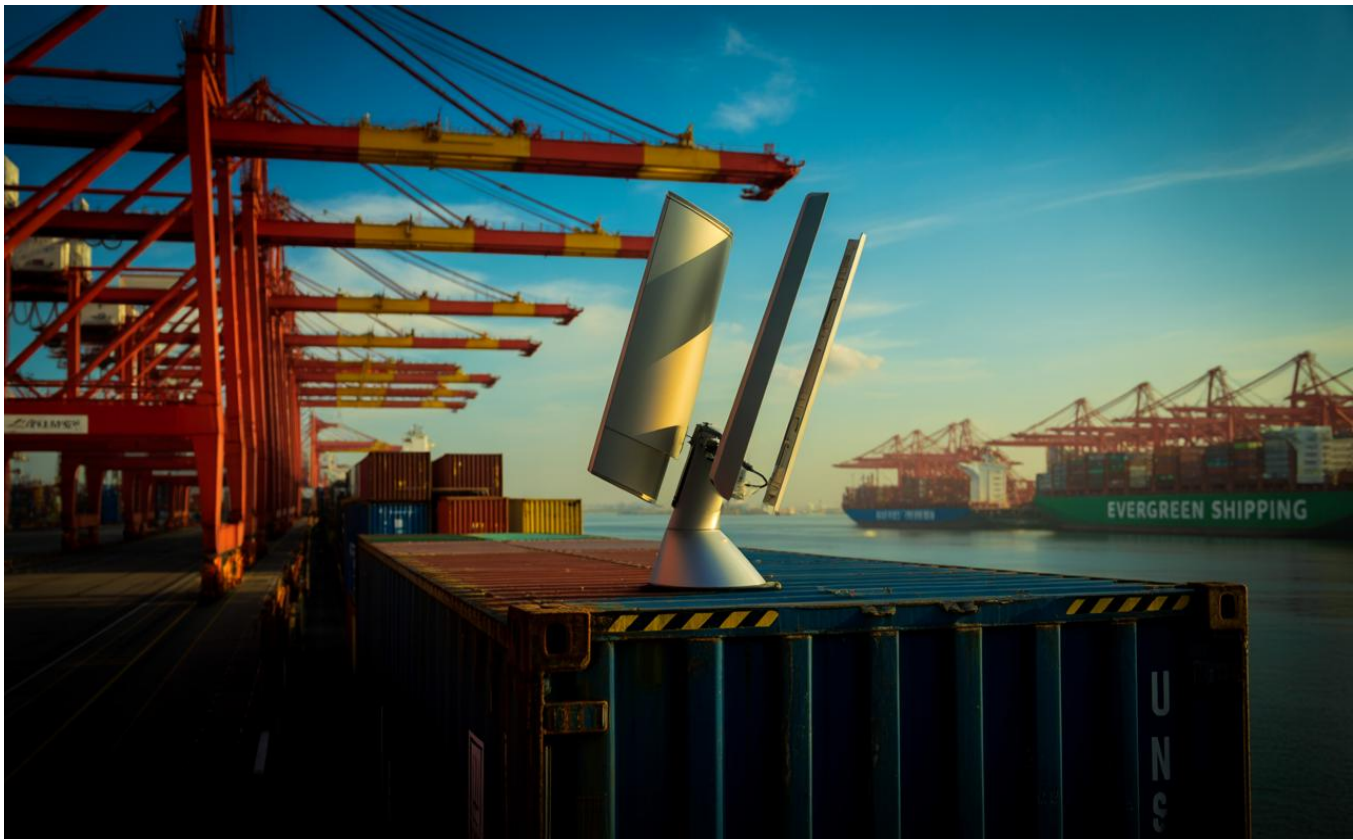
Industrial Facilities

Critical communication for automation and safety.



Utility Sites

Secure network for essential services and infrastructure.



Altai's Groundbreaking Innovations

1

Superior Coverage with Unmatched Cost Performance

Altai's **Super WiFi™** delivers up to **10×** wider coverage and up to **5×** higher throughput than conventional Wi-Fi. Powered by proprietary Smart Antenna and Multi-Beam technologies, it boosts link quality across all client types, cuts the number of access point sites required, and achieves industry-leading cost efficiency.

2

Industrial-Grade Reliability

Engineered for harsh conditions, Altai access points feature **IP67 weatherproofing**, integrated lightning and surge protection, advanced RF interference mitigation, and a wide operating temperature range. From dense urban streets to remote industrial sites, Altai APs deliver durable, consistent, and reliable performance wherever it's needed.

3

Intelligent Wireless Resource Management

Altai access points collaborate through **self-organizing, adaptive management features**. By coordinating across multiple APs, the network automatically balances traffic and enables seamless roaming as users move, optimizing performance and delivering a consistently smooth experience without interruptions or degradation.

4

Robust Wireless Backhaul with Dynamic Mesh and AlwaysConnect™

Altai's **mesh technology** delivers exceptional flexibility and resilience. With dedicated **dual 5 GHz** radios for backhaul, it preserves full bandwidth across all nodes. The system automatically selects optimal paths and self-heals around failures, ensuring stable, robust connectivity even when individual links are disrupted.

5

Built-In Cybersecurity

Security is integral to Altai's design. Each AP is hardened with the **Check Point Nano Agent** for advanced threat protection. Paired with the Altai WLAN controller, WIPS detects and contains threats such as brute-force and DoS attacks. This layered approach efficiently safeguards networks against fast-evolving cyber risks.

Transforming Enterprise Connectivity

Superior Outdoor Coverage - Breaking Boundaries: 1.7km Super WiFi Coverage

Altai's patented Super WiFi technology delivers industry-leading 1.7km wireless coverage, revolutionizing connectivity for mega-infrastructure projects. Our smart antenna technology ensures reliable performance across airports, mining sites, ports, warehouses, and various industrial facilities.

Visit our superior outdoor
connectivity solution
portfolio [HERE](#).



Mission Critical Infrastructure Connected with RELIABILITY

AlwaysConnect: Zero-Downtime Multi-Link Redundancy

Delivers uninterrupted connectivity through simultaneous multi-radio connections to different access points, maintaining constant link monitoring and instant 10ms failover between connections.

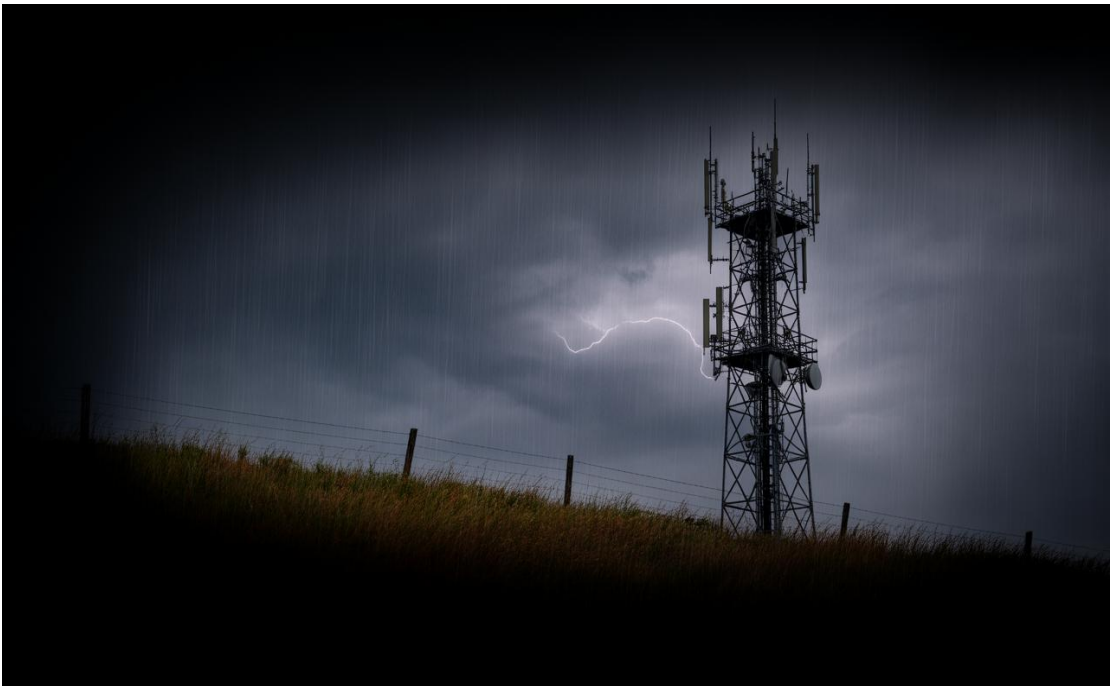
Multiple wireless links are always on, and data will be flowing through the best link

No roaming involved cut handover time down to 10ms, depending on the link redundancy mode deployed

Built for Extreme Environments

- IP67-rated ruggedized construction
- Enterprise-grade reliability in harsh conditions
- Proven performance in extreme industrial settings including power plants

A revolutionary solution delivering up to **10x coverage range** and **5x capacity** compared to standard access points, while maintaining speeds up to **MultiGig** in the 5 GHz band.



AltaiGate Smart WLAN Controller

Enterprise-Grade Network Management Made Simple

The AltaiGate represents the pinnacle of wireless network management, delivering enterprise-grade control with unprecedented simplicity. Through its intuitive web-based interface, network administrators can deploy, configure, and maintain complex wireless networks with minimal effort, regardless of the network's scale or complexity.



[Learn more here:](#)

AltaiCare: Unified Network

Management Platform

Simplifying Enterprise WiFi Management Through

Cloud and On-Premises Solutions



[Learn more here:](#)

AltaiCare represents a comprehensive network management platform that delivers flexible deployment options through both cloud-based and on-premises solutions. This versatile platform is designed to streamline the management of Altai Super WiFi networks of any scale, from small deployments to large enterprise installations.

Professional Support and Services

Beyond providing cutting-edge technology, Altai offers comprehensive professional services including site surveys, network planning, deployment support, and ongoing maintenance. Our global team of experts ensures each installation is optimized for maximum performance and reliability, delivering on our promise of **mission-critical connectivity**.

Contact Our Wireless Experts Today:

Email: info@altaitechnologies.com

