



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.



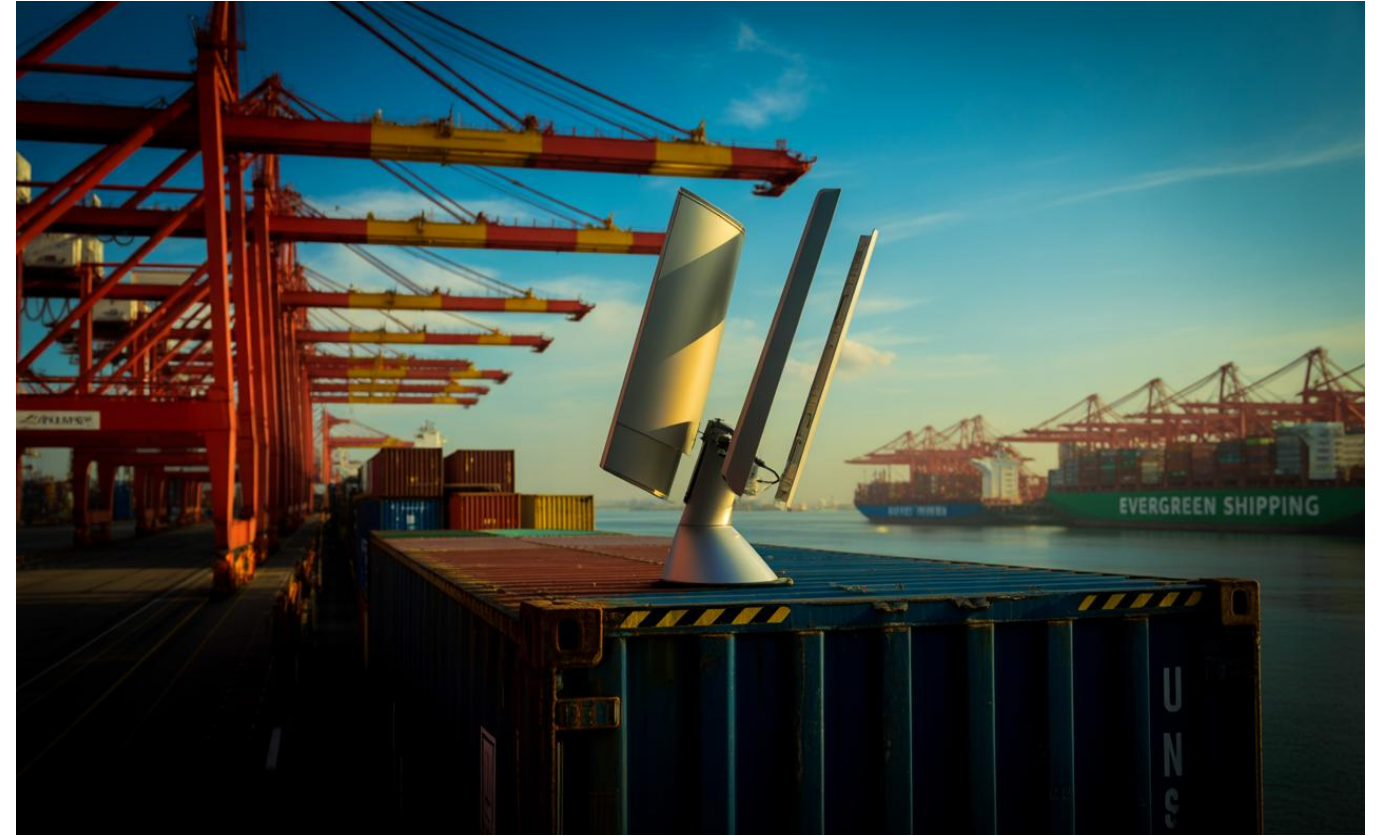
Industrial Facilities

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 Stream 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.

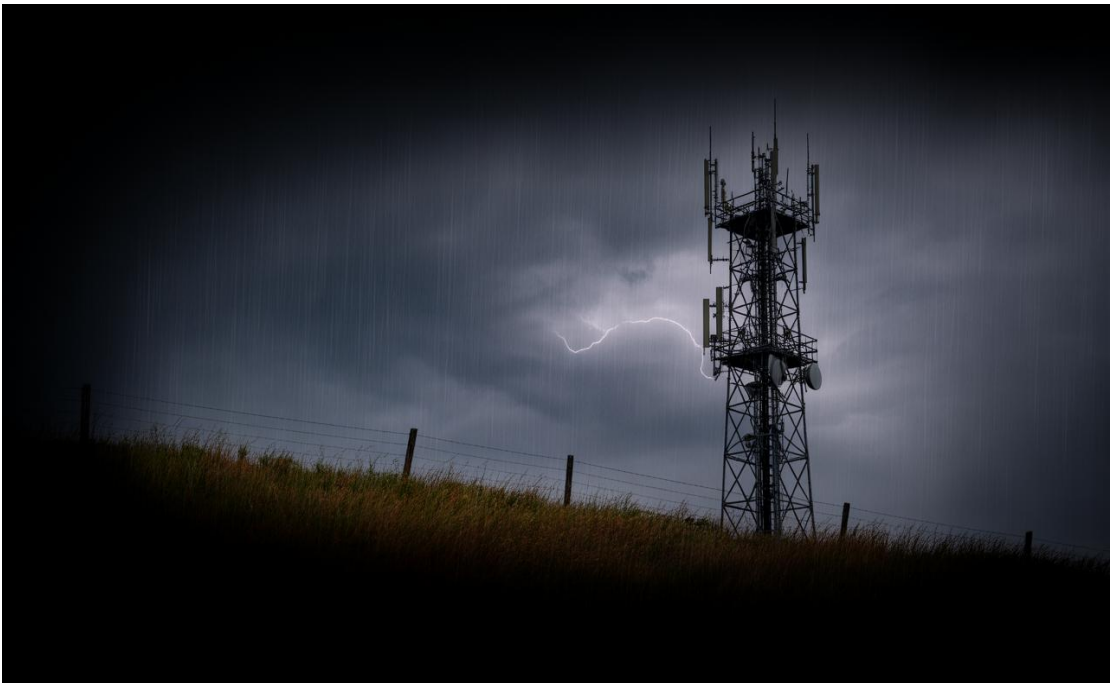
Multiple wireless links are always on, and data will be flowing through the best link

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



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.

Learn more [here](#):

Professional Services and POC

Beyond providing cutting-edge technology, Altai delivers comprehensive professional services designed to ensure every network performs at its best, including site surveys, network planning, proof-of-concept (POC) support, deployment assistance, and ongoing maintenance. Altai's global team of experts validates and optimizes to guarantee seamless, **mission-critical connectivity**—exactly as promised.



ALTAI WIRELESS ACCESS POINT PORTFOLIO

Altai Technologies delivers industrial-grade outdoor wireless solutions across three performance tiers. Each product is engineered for extreme conditions with IP67 rating and -40°C to 60°C operating range, ensuring reliable connectivity in challenging environments.

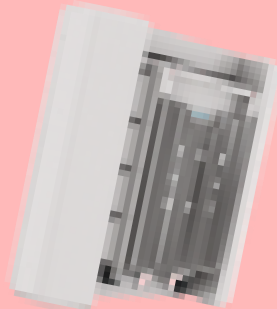
MACRO-CLASS ACCESS POINTS



A8-Ein (ac)
8x8 MIMO
Smart Antenna
Integrated
Up to 1.7km
directional



A8n (ac)
8x8 MIMO
External Smart
Antenna
Up to 1km omni



A8in (ac)
8x8 MIMO
Smart Antenna
Integrated
Up to 1km omni

MICRO-CLASS ACCESS POINTS



AX600-S
2x2 MIMO Wi-Fi 6
Antenna Integrated
Up to 1km directional



AX600-X
2x2 MIMO Wi-Fi 6
External Antenna
PtP-Up to 20km



A660-S
2x2 MIMO Wi-Fi 6
Antenna Integrated
Up to 610m
directional



A660-X
2x2 MIMO Wi-Fi 6
External Antenna
PtP-Up to 20km

PICO-CLASS ACCESS POINTS



CX600
2x2 MIMO Wi-Fi 6
External Antenna
Up to 350m omni



IX600*
2x2MU-MIMO
Wi-Fi 6
Ceiling-Mount
Up to 300m
omni



C1n
2x2 MIMO
Integrated Antenna
Up to 800m
directional



VX200*
2x2 MU-MIMO
wave2
Industrial CPE
Up to 350m omni



C260-S
2x2 MIMO Wi-Fi 6
Integrated
Antenna
Up to 600m
directional



C260-X
2x2 MIMO Wi-Fi 6
External Antenna
PtP-Up to 2km



M360-X*
2x2 MU-
MIMOWi-Fi 6
Industrial CPE
Up to 300m
omni



i760*
4x4 MU-MIMO
Wi-Fi 6
Ceiling-Mount
Up to 380m
omni

Certified & Complied



& other Local type approvals

* Indoor Model

UNIFIED INTELLIGENCE FOR A CONNECTED WORLD

The Altai Network Management family unifies cloud, core, and edge management under one platform—delivering seamless scalability, security, and performance across all deployment environments. Also, Altai network planning tools simplifies design, optimization, and deployment workflows—enabling operators to plan, visualize, and fine-tune their networks with greater accuracy and efficiency.

CONTROLLERS



AltaiGate
Enterprise-Grade
WLAN
Controller
NGFW & IoT
Discovery



AltaiCare Mini
SME Controller
On-premises
Small-to-medium
deployments



AltaiCare
Cloud
Management
Platform
Real-time
monitoring

SURVEY & PLANNING SOLUTIONS



Insights
Next Generation
Cloud-
Managed WLAN
Solution



Altai SurveyGo
Field Coverage
Survey Companion
with Full Mobility

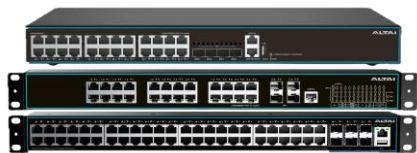


**Altai Network
Planner**
Next Generation
Powerful
Wi-Fi planning
Tool

Switch



Industrial Switch
Designed for harsh
environments
Seamless
integration with
AltaiGate



**Enterprise
Switch**
Core / Aggregation
/ Access
Layer 2 / 3
High Performance
High Resiliency

Contact Our Wireless
Experts Today:



info@altatechnologies.com

