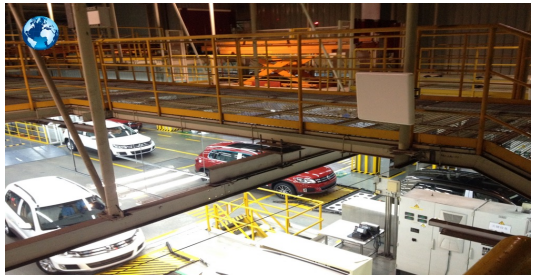
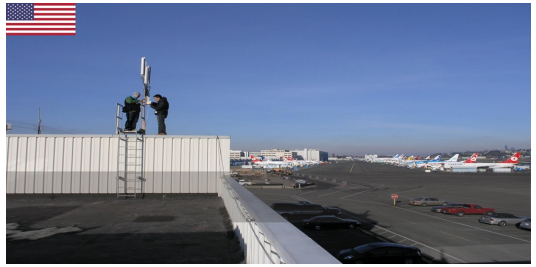
HAFS
Smart Distributeur Africa

Altai Technologies Limited

A Global Technology Company providing a unique mobility and wireless solutions for the Operational Technology Market





Sales Partner Training

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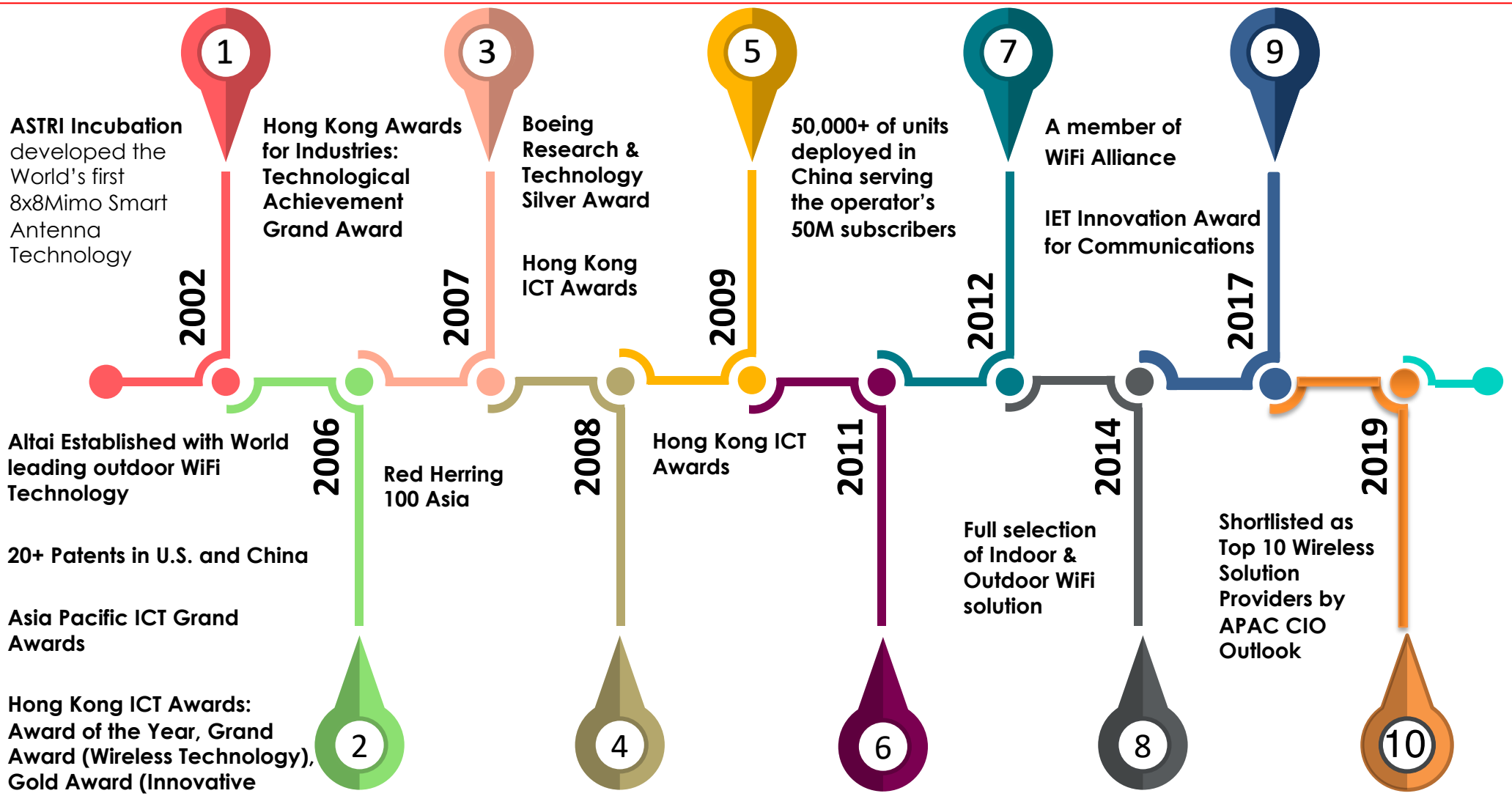
ALTAI
Super WiFi

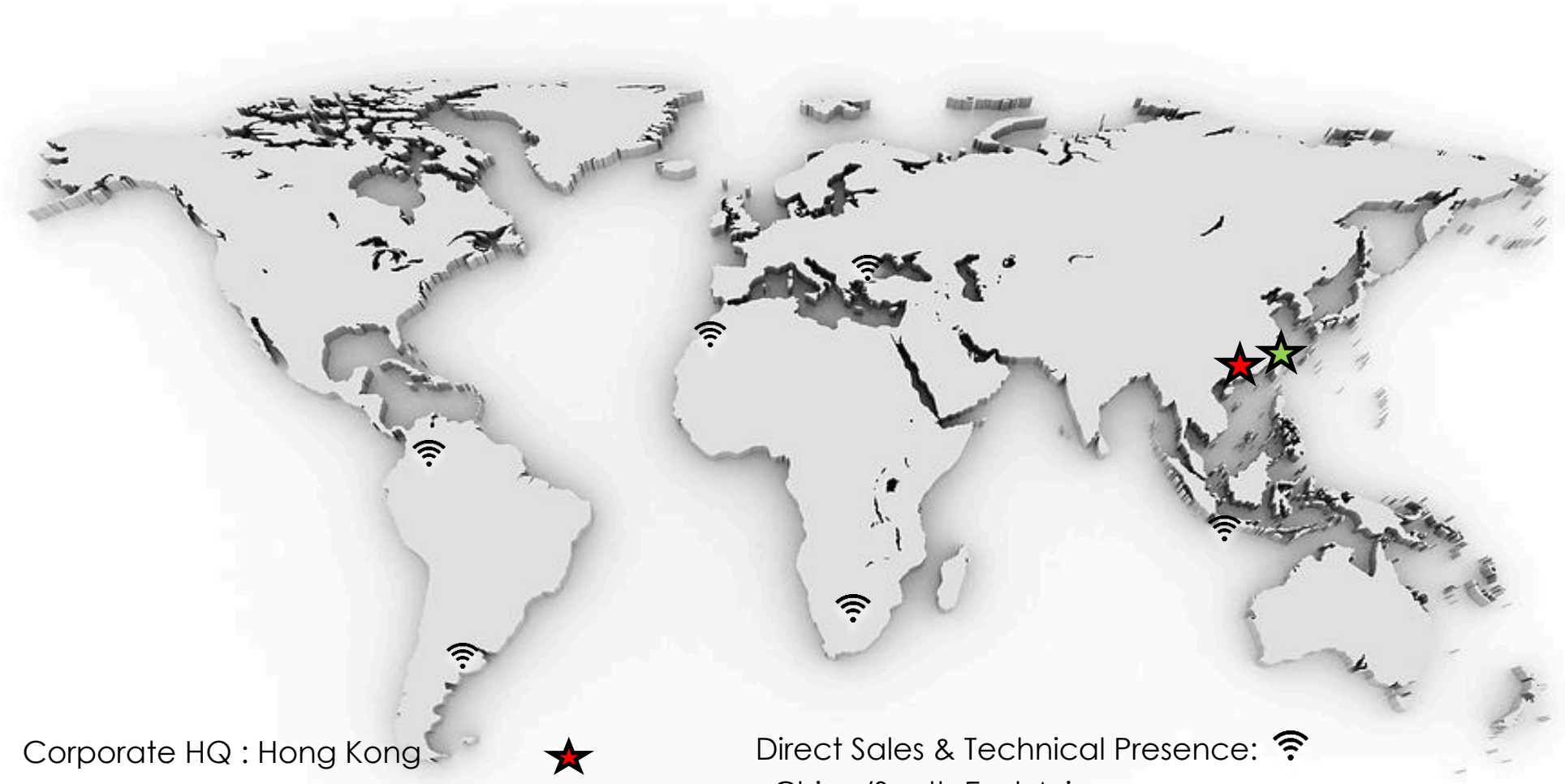
Altai At a Glance : 2006 ~ Present



ALTAI Super WiFi

Global Presence

Global Presence with sales channels and deployments in 100+ countries



Corporate HQ : Hong Kong

R&D Centre : Hong Kong & Shenzhen

Production : Taiwan

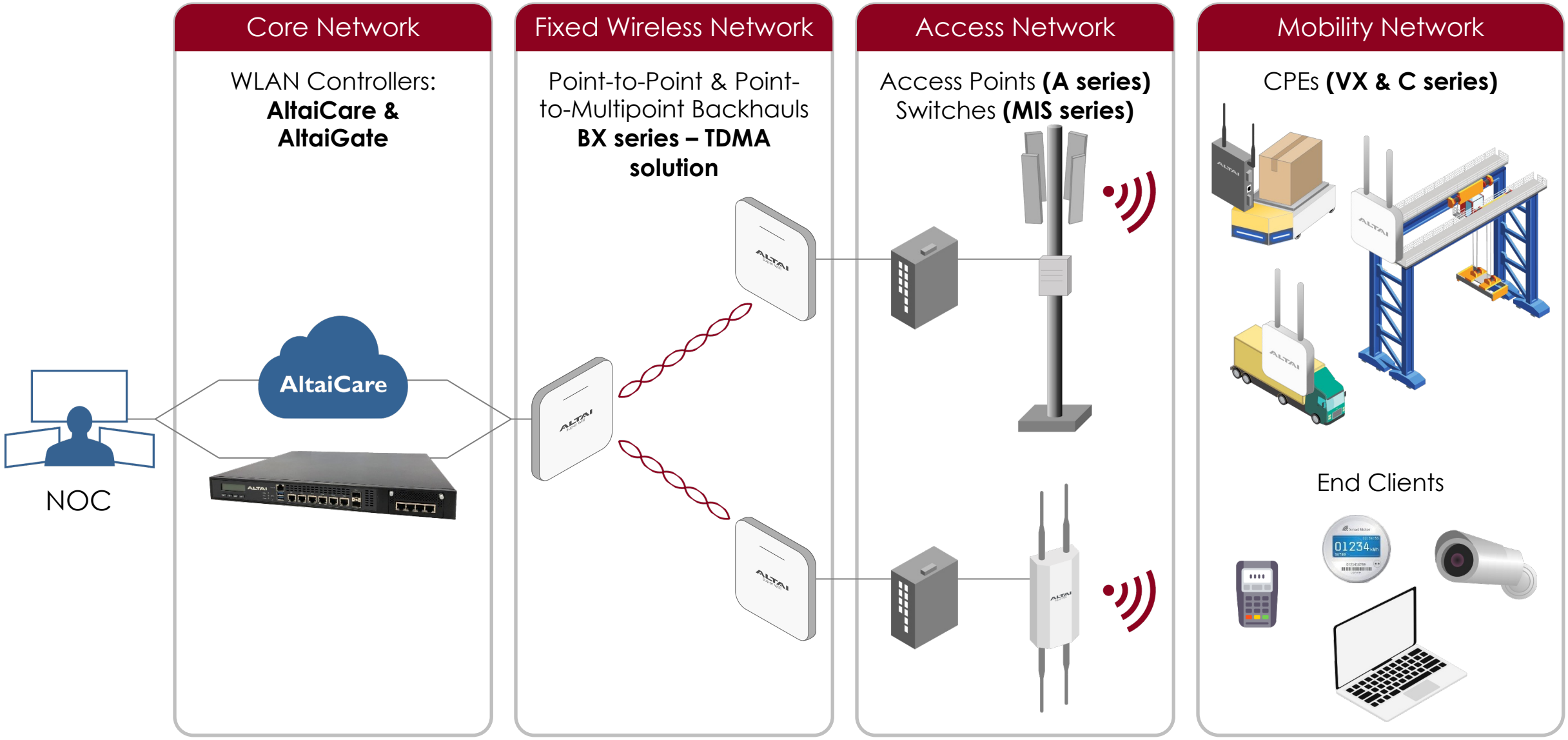
Direct Sales & Technical Presence:

China/South East Asia

Middle East & Africa/Americas

ALTAI Super WiFi

Altai Product Coverage by Network Architecture



Overall Product Portfolio

Built for all-weather and coverage sizes

Flagship

A8-Ein (ac)*
Smart Antenna
8x8 MIMO 802.11ac
Integrated
(up to 1.7km directional)

A8n (ac)*
Smart Antenna
Dual-Band
8x8 MIMO 802.11ac
External
(up to 1km omni)

A8in (ac)*
Smart Antenna
Dual-Band
8x8 MIMO 802.11ac
Integrated Omni
(up to 1km omni)

Mid-Range

AX600-S *
Integrated Antenna
Dual-Band
2x2 MIMO 802.11ax
(up to 1km directional)

AX600-X *
External Antenna
Dual-Band
2x2 MIMO 802.11ax
(PTP- up to 10km)

A3-Ei*
Integrated Antenna
Dual-Band
3x3MIMO 802.11ac
(up to 800m directional)

A2/A2x*
Wireless Bridge
2x2 MIMO
802.11ac
(PTP- up to 10KM)

Basic

CX600
External Antenna
Dual-Band
2x2MIMO 802.11ax
(up to 300m omni)

C2s/C1n / C1an
Integrated Antenna
2x2MIMO
(up to 700m directional)

IX600
Ceiling-Mount
Dual-Band
2x2MU-MIMO 802.11ax
(up to 350m omni)

VX200
Industrial CPE
2x2 MU-MIMO802.11ac
wave2
(Up to 350m omni)

FWA

BX700
PTMP
4.9-6.0Ghz

BX270
PTMP (CPE)
4.9-6.0Ghz

BX500-N
PTP
4.9-6.0Ghz

BX500-X
PTP
4.9-6.0Ghz

Controller & Solution

AltaiGate
Enterprise-Grade WLAN Controller
NGFW & IoT Discovery

AltaiCare
Cloud Management Platform

Altai Analytics and Location Engine

Industrial Switch

Powered by Qualcomm aws

Certified Complied FC CE **& other Local type approvals**

***Rating**
IP67+

***Operating Temperature**
-40°C to 60°C

ALTAI Super WiFi

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Key Technology Highlights

ALTAI Super WiFi

Highlights of Patented Core Technologies

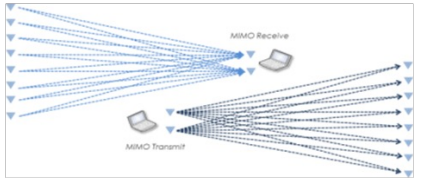
20+ Core Patents filed in China and US

Patent Coverage:

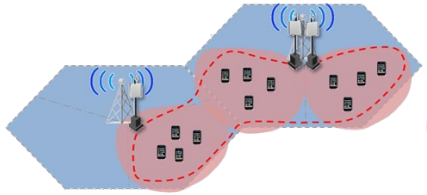
- •Adaptive interference control
- •Antenna beam scanning for improved communications
- •Fair weighted network congestion avoidance
- •Multi-function wireless systems and methods
- •Wireless cable
- •WLAN access point with extended coverage area
- •Low cost, multi-beam, multi-band and multi-diversity antenna for wireless communications
- •Managing wireless communications using link space information
- •and more

Achievement & Application

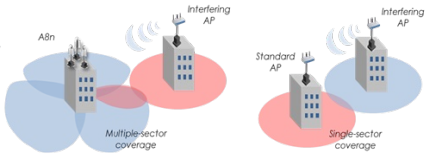
Super Smart Antenna Technologies



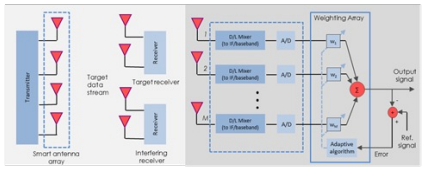
Super Coverage



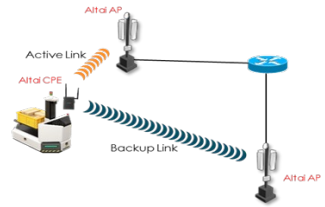
Super Interference Immunity



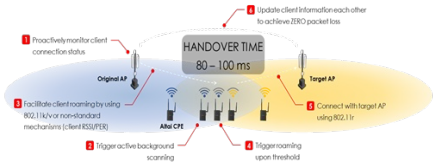
Super WiFi capacity



AlwaysConnected Solution for Automation



Fast Handover and Smart Roaming for Automation



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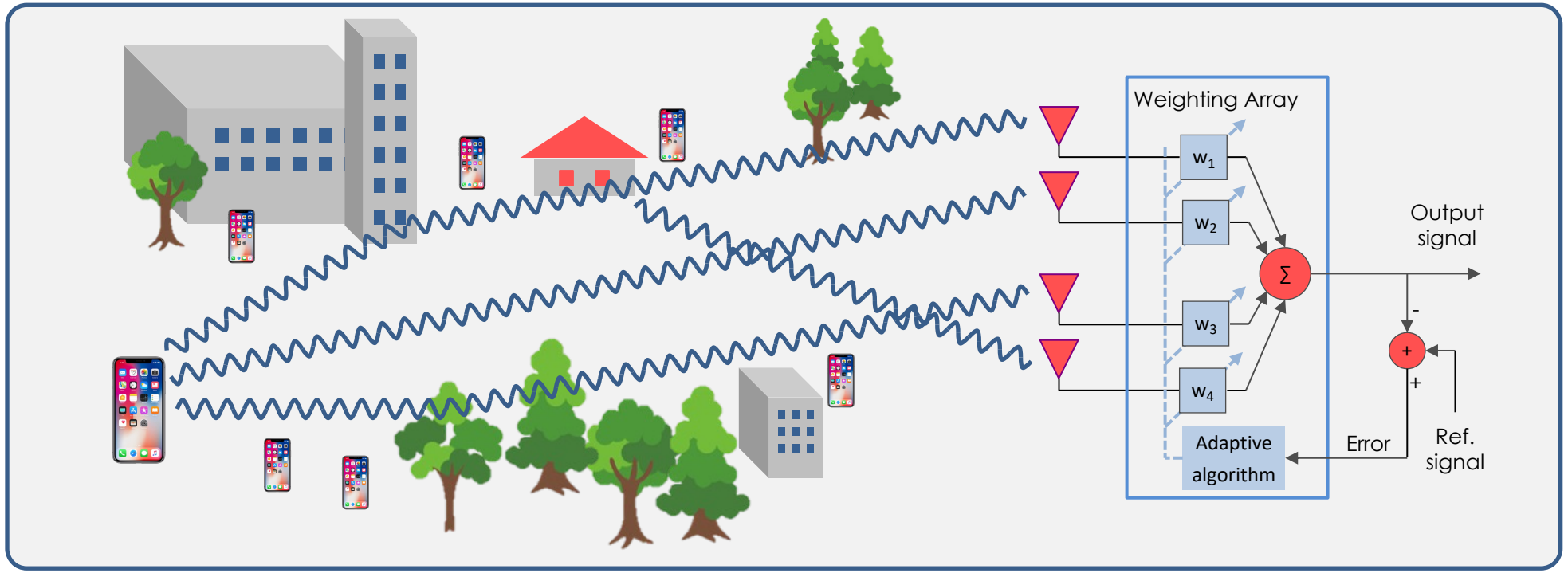
ALTAI Super WiFi

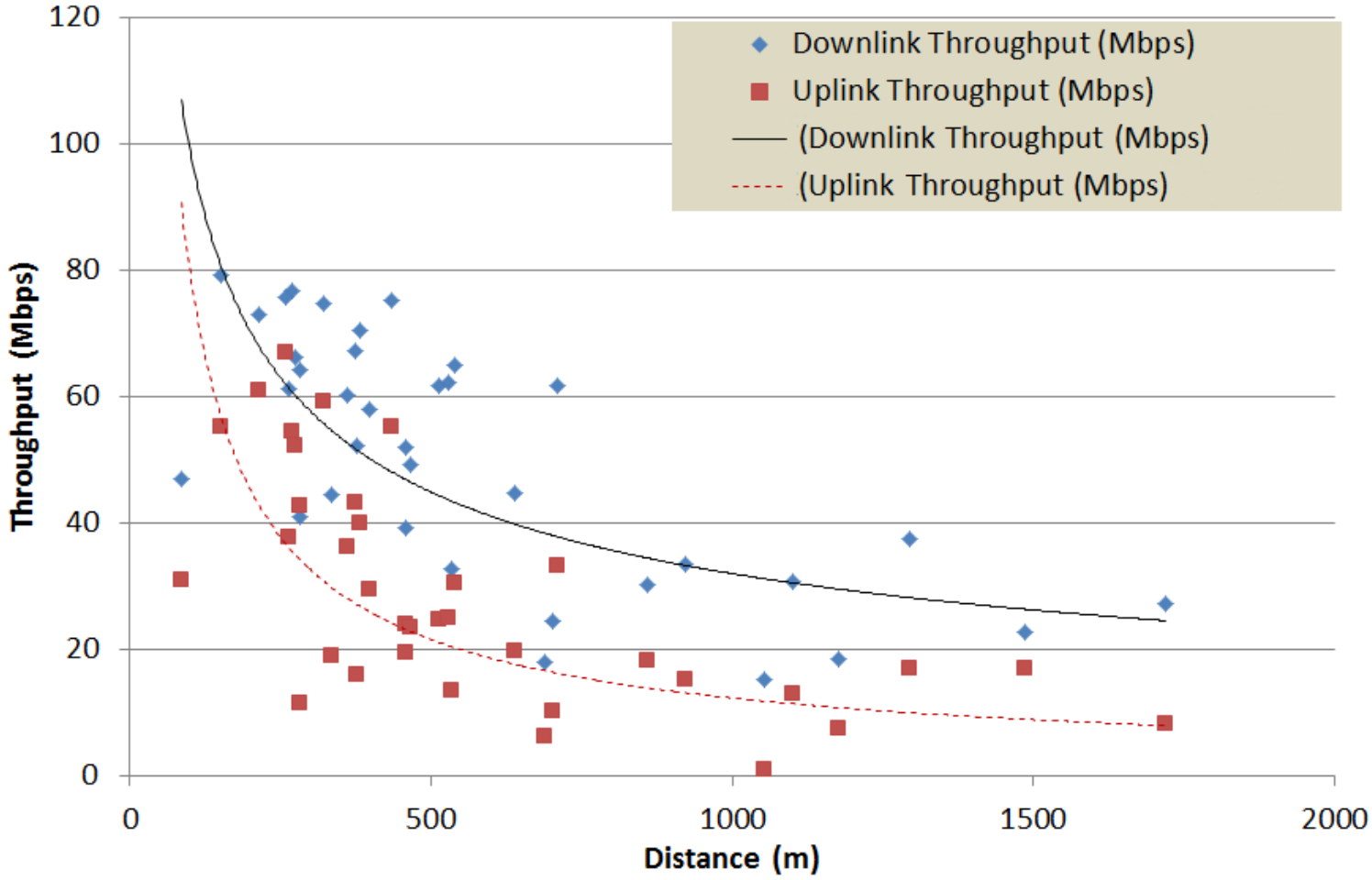
Altai A8n(ac) Series Smart Antenna Technology

- **8x8 MIMO array:** Take advantage of multi-path signals to achieve high diversity gain in NLOS environment.
- **Patented smart antenna algorithm:** Analyze all the Rx signal paths to achieve a higher uplink signal level, hence improving uplink performance for those low-powered devices.



A8n(ac) Series Coverage

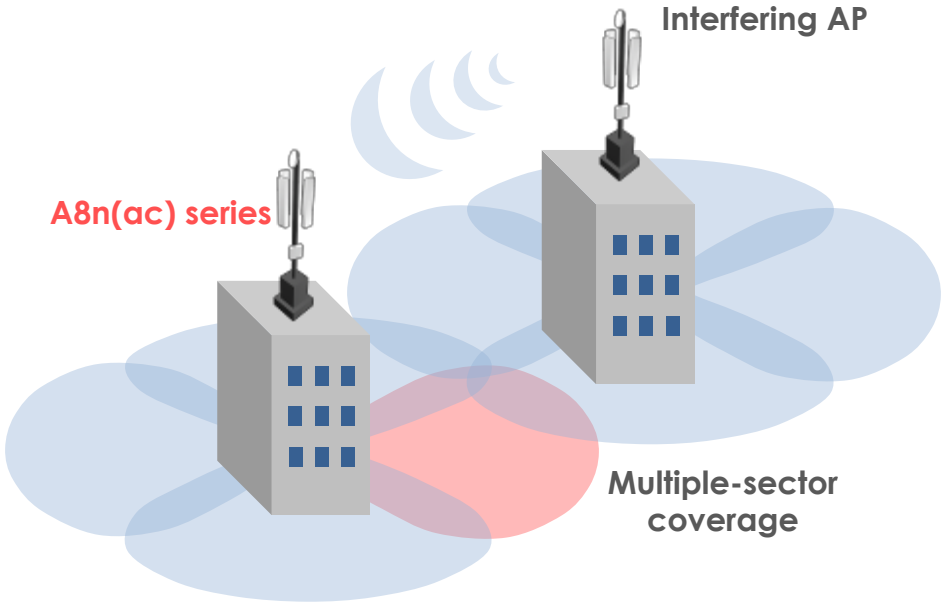
- A8-Ein(ac) supports 80 Mbps @ 2.4G downlink at 150 m
- A8-Ein(ac) supports 27 Mbps @ 2.4G downlink throughput at 1.7 km LOS



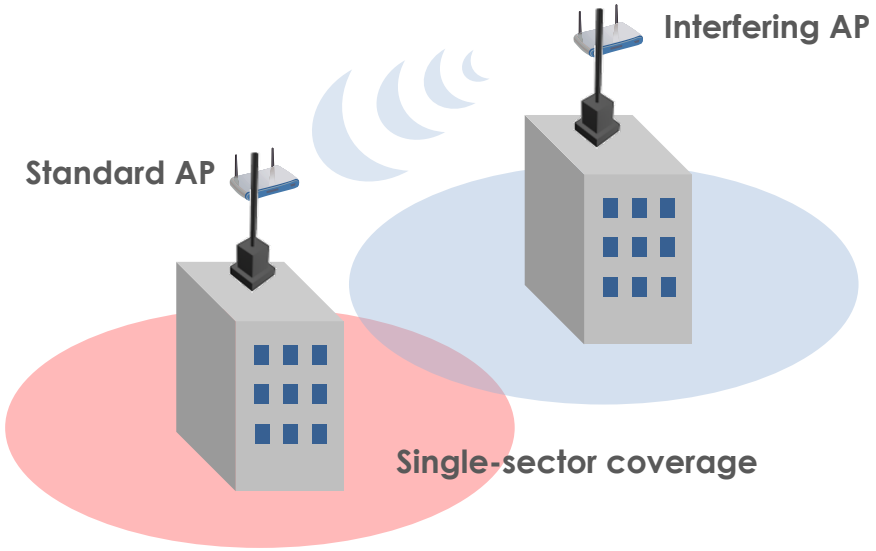
ALTAI Super WiFi

Better Interference Mitigation for A8n(ac) Series

When the base station is interfered by adjacent site, only one sector affected and other sectors can still work properly



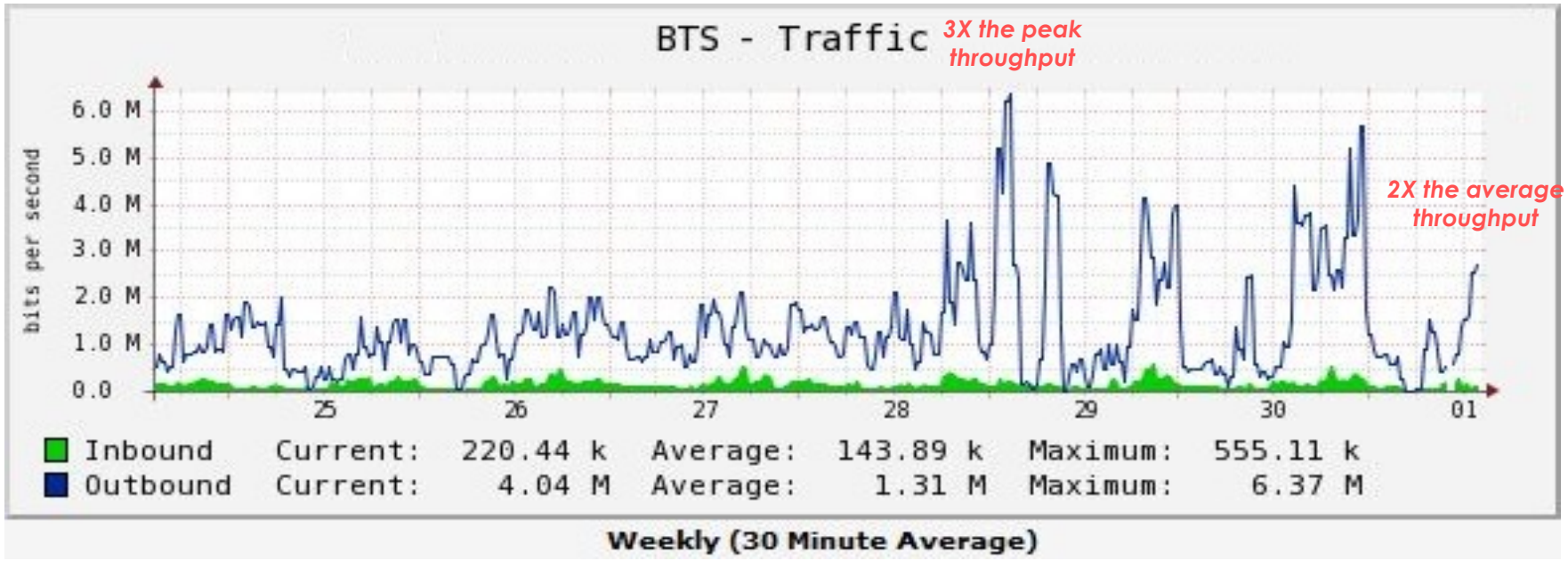
When the AP is interfered by adjacent site, the whole omni sector is affected



ALTAI Super WiFi

AirFi Throughput Optimization

- The Altai AirFi throughput optimization algorithm implemented at the Wi-Fi layer, increasing its average throughput capacity by a factor of 2 and more
- Great improvement in response time from 3,000 to 50 ms was recorded
- The optimization is most significant when the throughput degradation is due to slow-speed clients



ALTAI Super WiFi

Multi-AP Steering

Goal:

Dynamically select the best possible Wi-Fi link for each device's connection

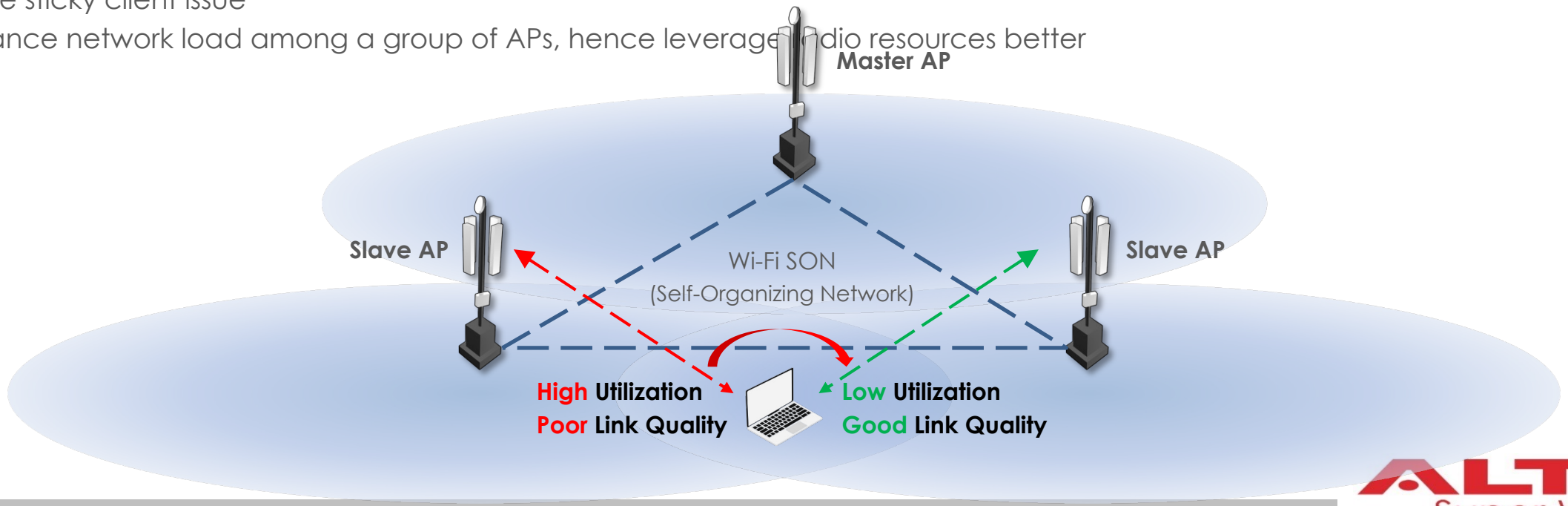
How:

By monitoring

- AP radio utilization
- Link quality between AP and client

Advantages:

- Solve sticky client issue
- Balance network load among a group of APs, hence leverage radio resources better



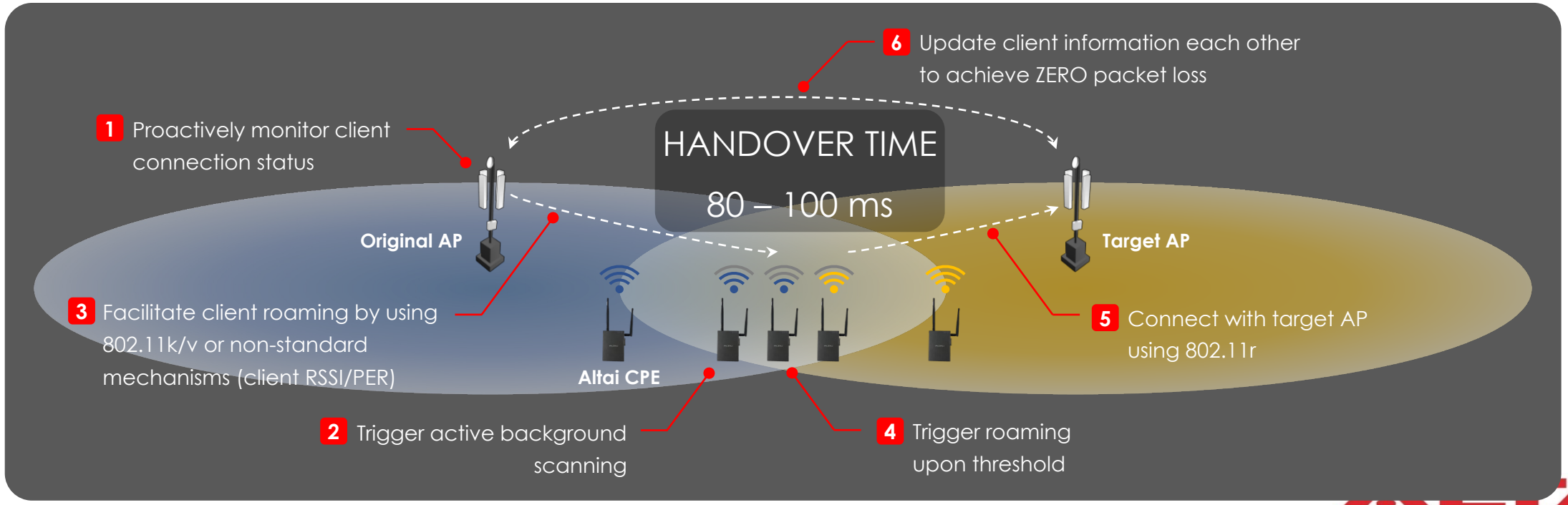
ALTAI Super WiFi

Smart Roaming

Fast Handover – Enhanced active background scanning and roaming threshold enable Altai CPE to have a handover time of 80 – 100 ms

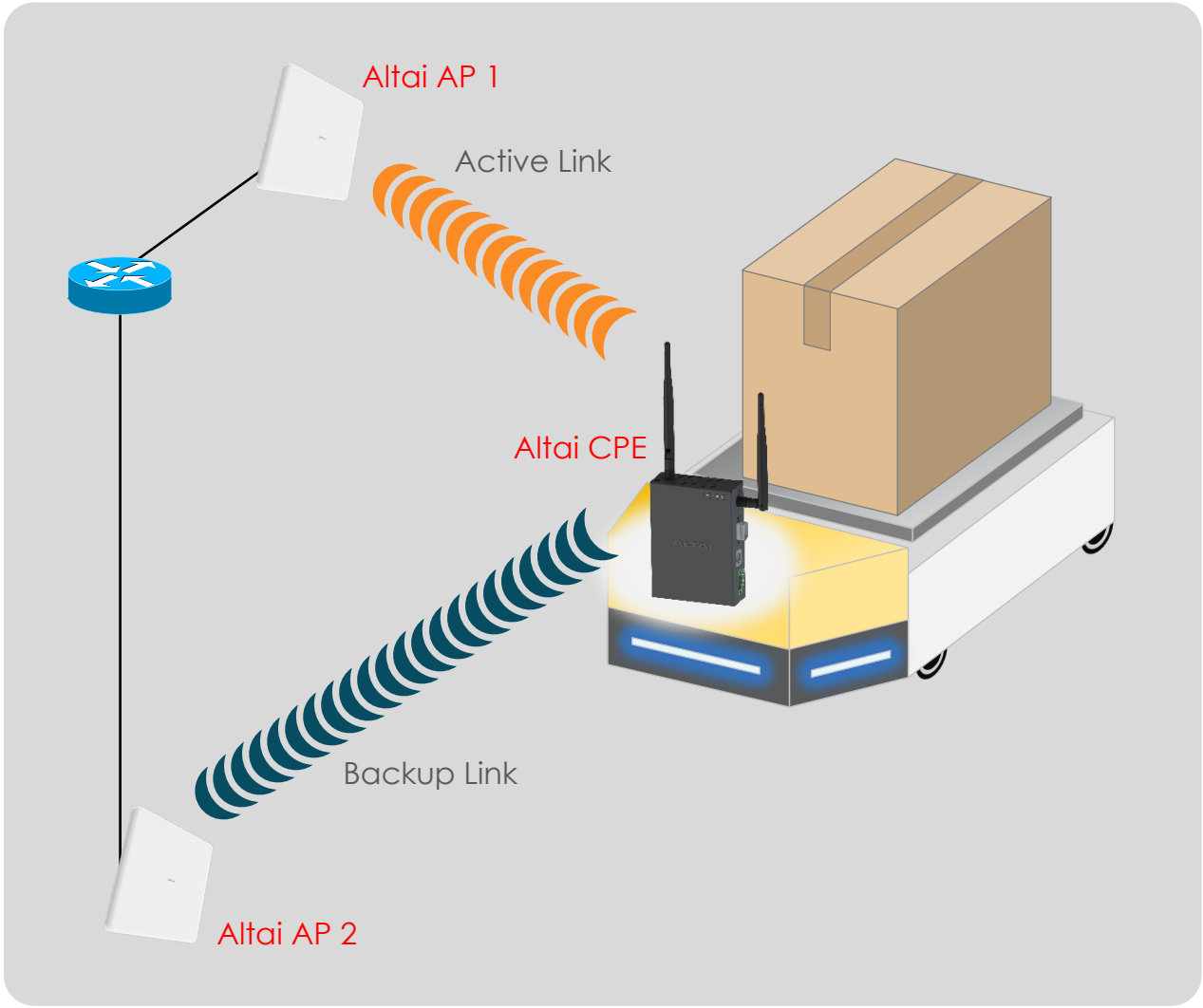
Smart Roaming – Altai AP proactively monitors client connection status and uses standard (802.11k/v/r) or non-standard mechanisms (client RSSI/PER) for facilitating client roaming to mitigate the effects of poor handover decisions made by clients alone

Zero Packet Loss – The Altai APs involved in roaming communicates with each other to enable intelligent packet buffering and forwarding, reducing packet loss to zero



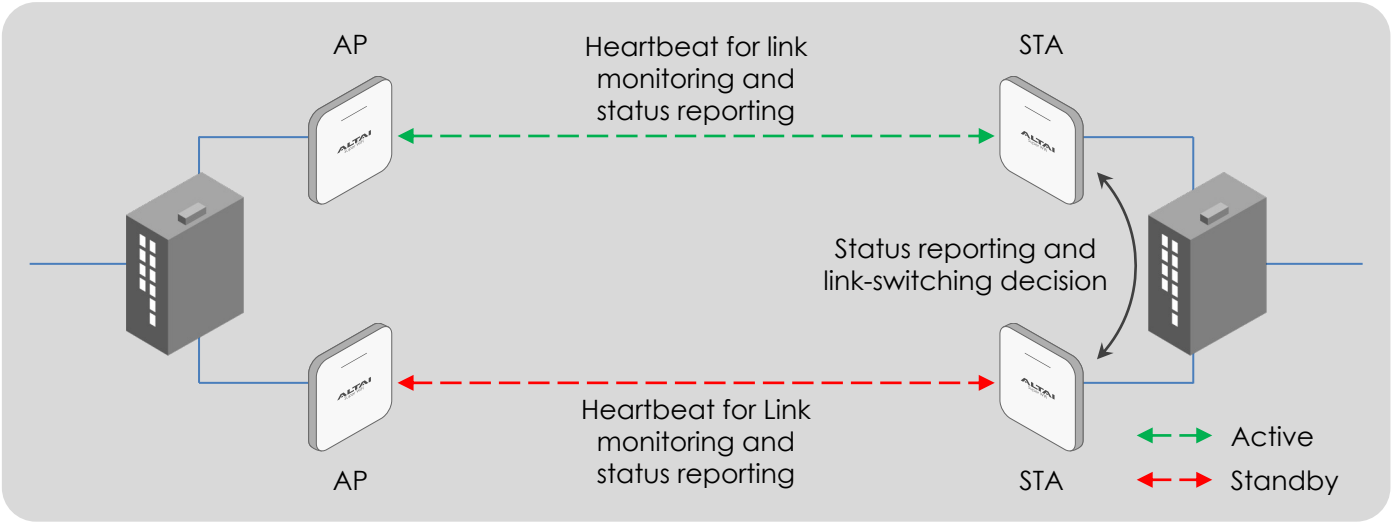
AlwaysConnected Feature

- The AlwaysConnected Solution allows a mobile unit to have multiple wireless connections to different APs concurrently
- With fast loop avoidance and advanced dynamic link selection algorithm, multiple wireless links will always be available and data will be flowing through the optimal link
- As there is no roaming involved, the handover time is < 10 ms
- Two deployment scenarios
  - **Multiple CPEs** – Two to three CPEs are installed in a mobile unit, usually only one of the bands will be utilized
  - **Single Dual-Band CPE** – One CPE is installed in a mobile unit, both bands will be utilized



AlwaysConnected for WISP Solution

- AlwaysConnected feature is based on **Altai's proprietary link redundancy protocol**
- Compared with other traditional redundancy protocols such as STP, ERPS, and LACP, Altai's AlwaysConnected solution can precisely and swiftly make the switchover decision by **actively monitoring the radio link's status**
- The switchover time can be **down to 10ms**
- Link selection by the following metrics:
  - **Wireless interface status**: connected/disconnected
  - **Ethernet interface status**: up/down
  - **SNR** (user-defined threshold)
  - **Link quality and stability** (heartbeat)



ALTAI Super WiFi

Fully Protected and Secured Wireless Solution with Check Point

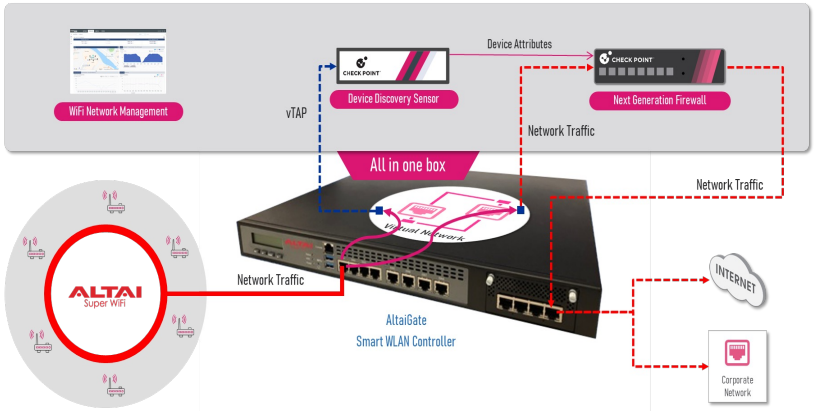
Cybersecurity

Altai AP with Nano Agent

Functions

- Access Control
- Login Protection (brute force attacks)
- Privacy and User Data Protection
- Runtime Protection
- Zero-Day Threat Prevention

Altai All in Box Management Controller



Functions

VISIBILITY

ENFORCEMENT

RESPONSE

ALTAI Super WiFi

Major Technology Ecosystem Partner

Completing Altai for a full turnkey solution

Backhaul by Operators

5G Fiber

Cybersecurity

Check Point SOFTWARE TECHNOLOGIES LTD. ARMIS

Robotics

Quicktron 快仓 Geek+ Moving the world intelligently

Industrial IoT

Honeywell ZODIAC

Internet

Data Center

AltaiGate
Controller with IOT Cybersecurity
NGFW + IoT Platform

AltaiCare

AltaiCare
Cloud based Controller

Connectivity Layer

Altai Purpose-Built Access Points (outdoor and indoor)

Altai Industrial Switches

Application Layer

Industrial Handheld

Robots

PLC

CCTV

IOT Gateway

Mobile Clients

Altai Industrial CPE w/Alwaysconnected

Full Turnkey Solution

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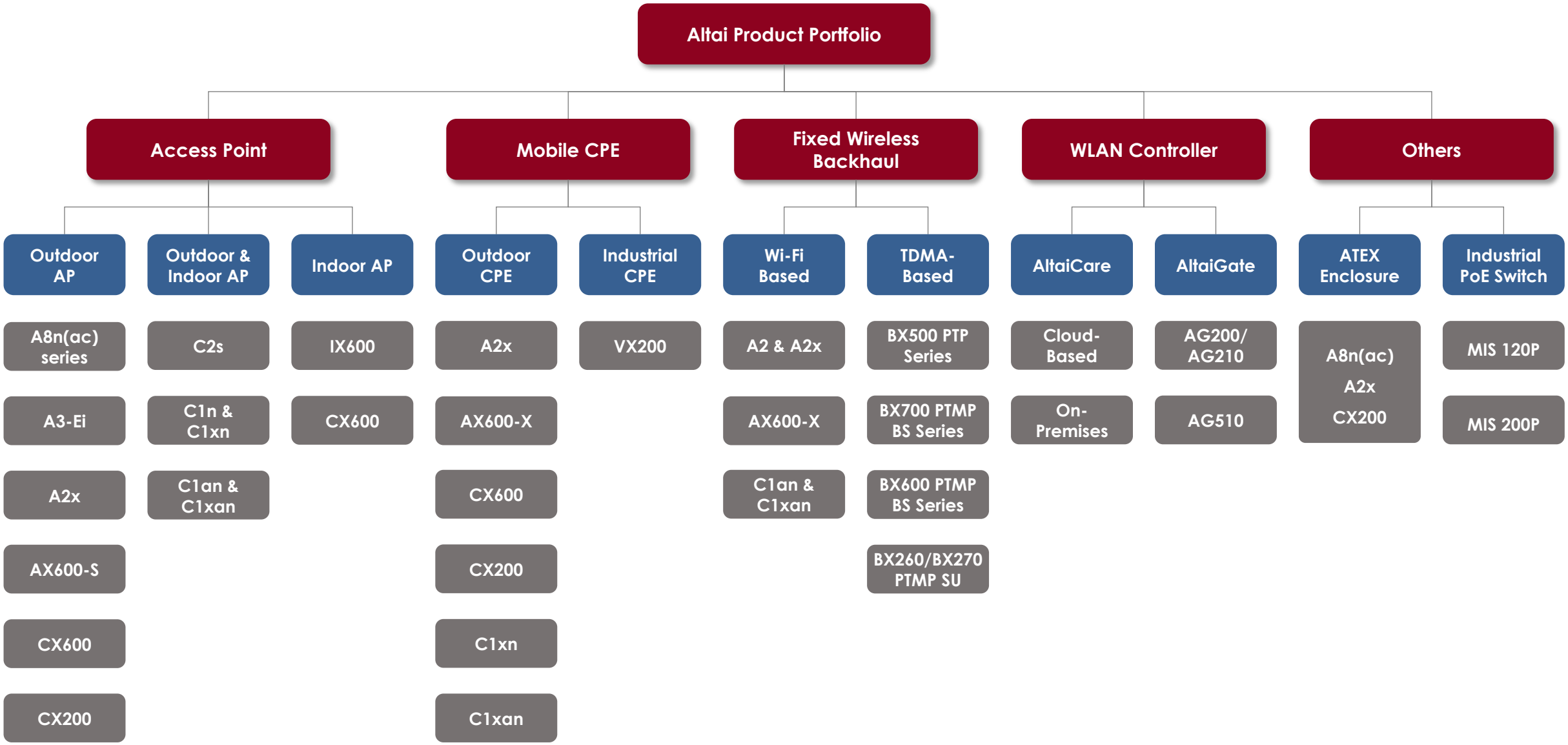
ALTAI Super WiFi

Product Details

ALTAI Super WiFi

Altai Product Portfolio by Function



Access Points / CPEs

ALTAI Super WiFi

Outdoor AP Lineup

ALTAI Super WiFi

Macro Coverage

A8-Ein (ac)
Smart Antenna
2.4G Int. directional Ant.
2.4G: 8x8, 802.11n
5G: 2x2, 802.11ac
1.7 km w/ 2.4G normal client
4 km w/ C1n CPE

A8n (ac)
Smart Antenna
2.4G Ext. Antenna, 4 sectors
2.4G: 8x8, 802.11n
5G: 2x2, 802.11ac
1 km w/ 2.4G normal client
3 km w/ C1n CPE

A8in (ac)
Smart Antenna
2.4G Int. Omni Antenna
2.4G: 8x8, 802.11n
5G: 2x2, 802.11ac
1 km w/ 2.4G normal client
3 km w/ C1n CPE

Micro Coverage, High Capacity

A3-Ei
2.4G: 3x3, 802.11n
5G: 3x3, 802.11ac
Int. Directional Antenna
1 km w/ 2.4G normal client
0.8 km w/ 5G normal client

Wi-Fi 6

AX600-S
2.4G: 2x2, 802.11ax
5G: 2x2, 802.11ax
Int. Directional Antenna
1 km w/ 2.4G normal client
0.9 km w/ 5G normal client

Wi-Fi 6

AX600-X
2.4G: 2x2, 802.11ax
5G: 2x2, 802.11ax
Ext. Antenna for access coverage/wireless backhaul/mobile CPE

A2x
2.4G: 2x2, 802.11ac
5G: 2x2, 802.11ac
Ext. Antenna
0.5 km by 5dBi Omni w/ 2.4G normal client
0.4 km by 7dBi Omni w/ 5G normal client

Pico Coverage, High Capacity

Wi-Fi 6

CX600
2.4G: 2x2, 802.11ax
5G: 2x2, 802.11ax
Ext. Omni Antenna
0.35 km by 5dBi omni w/ 2.4G normal client
0.25 km by 5dBi omni w/ 5G normal client

CX200
2.4G: 2x2, 802.11n
5G: 2x2, 802.11ac
Ext. Omni Antenna
0.3 km by 5dBi omni w/ 2.4G normal client
0.2 km by 5dBi omni w/ 5G normal client

C2s
2.4G: 2x2, 802.11n
5G: 2x2, 802.11ac
Int. Directional Antenna
0.6 km w/ 2.4G normal client
0.7 km w/ 5G normal client

Pico Coverage, Single Band

C1n / C1an
2.4G: 2x2, 802.11n
5G: 2x2, 802.11n
Int. Directional Antenna
0.8 km w/ 2.4G normal client
1 km w/ 5G normal client

C1xn / C1xan
2.4G: 2x2, 802.11n
5G: 2x2, 802.11n
Ext. Antenna
0.5 km by 5dbi Omni w/ 2.4G normal client
0.7 km by 9dBi Omni w/ 5G normal client

Indoor AP Lineup

High Performance, High Capacity

IX600
2.4G: 2x2, 802.11ax
5G: 2x2, 802.11ax
Ceiling-Mount / Wall-Mount/Pole-Mount
Int. Omni Antenna
574Mbps + 1,200Mbps

High Capacity

C2s
2.4G: 2x2, 802.11n
5G: 2x2, 802.11ac
Wall-Mount/Pole-Mount
Int. Directional Antenna

Affordable Single-Band

C1n / C1an
2.4G/5G: 2 x 2, 802.11n
Wall-Mount / Pole-Mount
Int. Directional Antenna

Industrial AP & CPE

VX200
DIN-Rail Mount
Dual-Band, MU-MIMO
Fast Roaming
Anti-Vibration

A8 Series (Macro Coverage)

What is Altai A8 series?

Altai A8 series is the industry's leading unique WiFi access point, which provides best in class coverage, achieving up to 1.7km LoS and 500m NLOS Coverage to any standard WiFi clients.

A8 series offer three models with different antenna configuration to provide installation flexibility including: A8n, A8Ein and A8in. A8 series A8n (omni coverage with external ant.), A8Ein (directional coverage with integrated ant.) and A8in (omni coverage with integrated ant).

Operational Modes:

- Access Point for 2.4GHz & 5GHz
- Bridge for 5GHzHz

Key Applications:

- Mission Critical Environment with large Mobile Coverage (e.g 100,000 ft^2) for Vertical Markets for handheld terminal e.g. RFID scanner (Indoor and outdoor)
- Industrial handheld terminal e.g. RFID scanner (Indoor and outdoor)
- Cellular Co-location for 3G/4G Data Offload (outdoor)
- Wireless Broadband (with CPE) (outdoor)
- Smart City Coverage (outdoor)

Suitable for following verticals

A8 Series

Key Selling Points

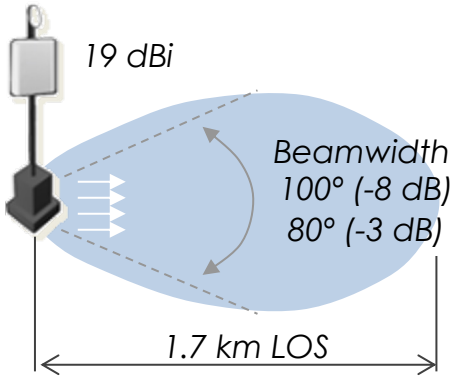
- Best-in-class smart antenna system delivers extended coverage without any dead spots and zero downtime redundant coverage
- Maximize coverage per site with limited cabling
- Effective Total Cost of Ownership
- Withstand harsh with IP67 rating
- Mitigate noisy environment with smart antenna system and high-quality band filtering system
- Easy to manage and use via controller

Suggested Bundled Solution:

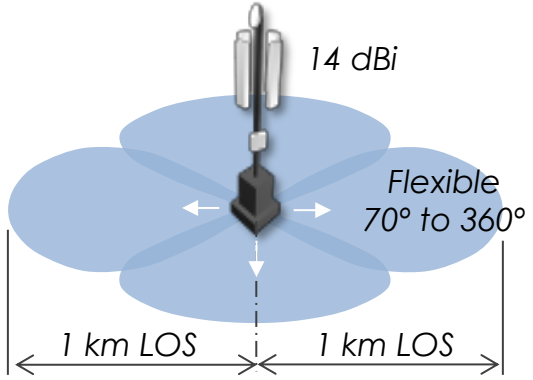
- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- CPE including VX or C series
- MIS600P Industrial 12 Gigabit Ports Managed PoE Switch
- Outdoor 55VDC AC/DC PoE Injector with Lightning Protection Package

A8 series Coverage Performance Overview

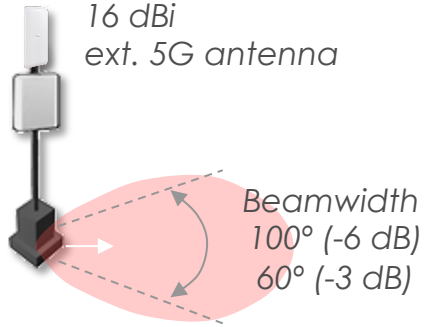
A8-Ein(ac)



A8n/A8in(ac)



All A8n models



Note: The range will be varied depending on NLOS and interference conditions

	2.4GHz				5GHz	
Access range up to	**With laptops / smartphones**		**With CPE (C1n)**		**With laptops / smartphones**	**With CPE (C1an)**
	A8-Ein(ac)	**A8n/A8in(ac)**	**A8-Ein(ac)**	**A8n/A8in(ac)**	**All A8n models**	**All A8n models**
LOS Open area	1.7 km	1 km	4 km	2.7 km	900 m	2.5 km
Rural	800 m	550 m	1.8 km	1.3 km	400 m	1.2 km
Suburban	500 m	350 m	1.2 km	800 m	300 m	750 m
Urban	350 m	250 m	800 m	500 m	200 m	450 m

AX600-S (Micro Coverage)

What is Altai AX600-S?

Altai AX600-S is a dual-band 2x2 802.11ax (WiFi 6) AP with compact integrated high-gain antennas that can offer both coverage and capacity. Its coverage to any standard WiFi client can be up to 1km (2.4GHz) and 900m (5GHz) under LOS condition. It has a maximum 1.77Gbps data rate (2.4GHz and 5GHz aggregated) that provides high throughput to wireless clients at distances.

Operational Modes:

- Access Point for 2.4GHz & 5GHz
- Bridge for 5GHz

Key Applications:

- Mid Mobile Coverage (50,000 ft^2) for Vertical Markets for handheld terminal e.g. RFID scanner (Indoor and outdoor)
- Wireless Broadband (with CPE) (outdoor)
- Smart City Coverage (outdoor)

Suitable for following verticals

AX600-S

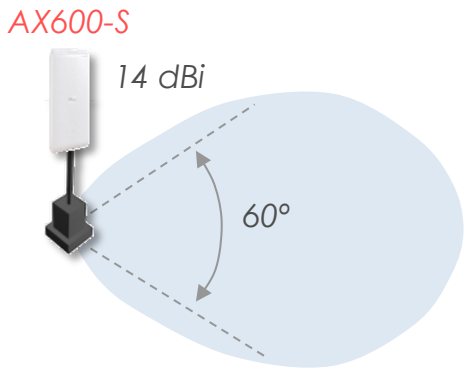
Key Selling Points

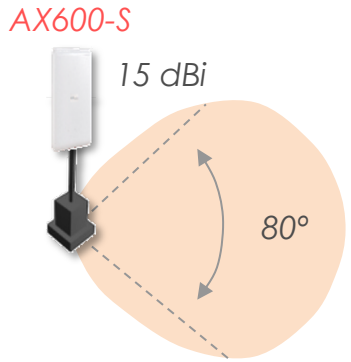
- Best price performance in coverage, data rate and concurrent user
- Zero Downtime Wireless Mobile Coverage
- Maximize coverage with limited site and cabling
- Effective Total Cost of Ownership
- Withstand harsh with IP67 rating
- Easy to manage and use via controller

Suggested Bundled Solution:

- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- CPE including VX or C series
- Industrial PoE Switch: MIS120P and MIS200P
- Accessories: Indoor 56VDC AC/DC PoE Injector, Weatherproof Lightning Protector with Pole Mount Kit

AX600-S Coverage Performance Overview





Note: The range will be varied depending on NLOS and interference conditions

	2.4GHz		5GHz	
Access range up to	**With laptops / smartphones**	**With C1n CPE**	**With laptops / smartphones**	**With C1an CPE**
Open area	1 km	2.7 km	900 m	2.5 km
Rural	550 m	1.3 km	400 m	1.2 km
Suburban	350 m	800 m	300 m	750 m
Urban	250 m	500 m	200 m	450 m

AX600-S Competitive Analysis

Spec	AX600-S	Aruba AP-567	Aruba AP-567EX	Ruckus T350se
Max. LOS Access 2.4GHz (m)	**1000**	250	250	250
Max. LOS Access 5GHz (m)	**900**	200	200	200
Wi-Fi Standard	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax
Aggregated Data Rate (Mbps)	1774	1774	1774	1774
No. Concurrent Users (Total)	512	512	512	512
MIMO	MU-MIMO 2x2	MU-MIMO 2 x 2	MU-MIMO 2 x 2	MU-MIMO 2 x 2
SSID	32	32	32	31

A3-Ei (Micro Coverage)

What is A3-Ei?

Altai A3-Ei is a dual-band 3x3 802.11ac (WiFi 5) AP with compact integrated high-gain antennas that can offer both coverage and capacity. Its coverage to any standard WiFi client can be up to 1km (2.4GHz) and 800m (5GHz) under LOS condition. It has a maximum 1.75Gbps data rate (2.4GHz and 5GHz aggregated) that provides high throughput to wireless clients at distances.

Operational Modes:

- Access Point for 2.4GHz & 5GHz
- Bridge for 5GHz

Key Applications:

- Mid Mobile Coverage (50,000 ft^2) for Vertical Markets for handheld terminal e.g. RFID scanner (Indoor and outdoor)
- Wireless Broadband (with CPE) (outdoor)
- Smart City Coverage (outdoor)

Suitable for following verticals

A3-Ei

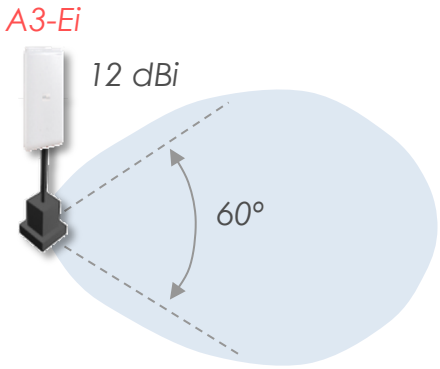
Key Selling Points

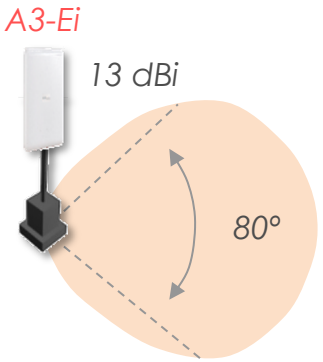
- Best price performance in coverage, data rate and concurrent user
- Zero Downtime Wireless Mobile Coverage
- Maximize coverage with limited site and cabling
- Effective Total Cost of Ownership
- Withstand harsh with IP67 rating
- Easy to manage and use via controller

Suggested Bundled Solution:

- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- CPE including VX or C series
- Industrial PoE Switch: MIS120P and MIS200P
- Accessories: Indoor 56VDC AC/DC PoE Injector, Weatherproof Lightning Protector with Pole Mount Kit

A3-Ei series Coverage Performance Overview





Note: The range will be varied depending on NLOS and interference conditions

	2.4GHz		5GHz	
Access range up to	**With laptops / smartphones**	**With C1n CPE**	**With laptops / smartphones**	**With C1an CPE**
Open area	1 km	2.5 km	800 m	2.2 km
Rural	500 m	1.2 km	350 m	1 km
Suburban	300 m	750 m	250 m	650 m
Urban	200 m	450 m	150 m	350 m

A3-Ei Competitive Analysis

Spec	Altai A3-Ei	Cambium e501S	Aruba AP-377	Aruba AP-367	Ruckus T710
Max. LOS Access 2.4GHz (m)	**1000**	200	250	220	300
Max. LOS Access 5GHz (m)	**800**	180	220	180	300
Wi-Fi Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Aggregated Data Rate (Mbps)	1750	1167	2033	1167	2333
No. Concurrent Users (Total)	512	256	512	256	512
MIMO	SU-MIMO 3 x 3	SU-MIMO 2 x 2	MU-MIMO 2 x 2 + 4 x 4	MU-MIMO 2 x 2	4x4 SU-MIMO + 4x4 MU-MIMO
SSID	32	16	32	32	31

A2 (Micro Coverage)

What is Altai A2?

Altai A2 is a dual-band 2x2 802.11ac (WiFi 5) outdoor AP/bridge designed to be used either as an access point for micro coverage, or as a point-to-point and point-to-multipoint bridge that delivers wire-like throughput. It has a maximum data rate of 867Mbps on 5GHz and 300Mbps on 2.4GHz.

A2 series has two models: A2 with external 2.4 GHz antenna/built-in 5 GHz antenna and A2x with external antenna for both 2.4 GHz and 5 GHz.

Operational Modes:

- Access Point for 2.4GHz & 5GHz
- CPE for 2.4GHz & 5GHz
- Bridge for 5GHz

Key Applications:

- Smart City street-level coverage (outdoor)
- P2P and P2MP bridge
- CPE in Harsh Environment like Port, Oil & Gas industry

Suitable for following verticals

A2

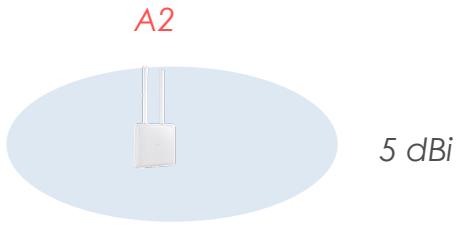
Key Selling Points

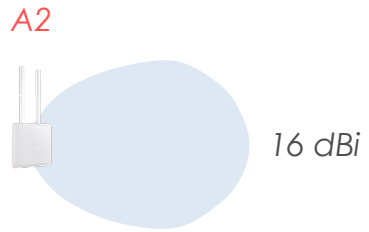
- Effective to provide street-level micro coverage
- Reliable high-throughput, long-distance wireless bridge
- Weatherproof design suitable for quick outdoor deployment
- Withstand harsh industrial environment with IP67 rating
- Easy to manage and use via controller

Suggested Bundled Solution:

- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- Industrial PoE Switch: MIS120P and MIS200P
- Accessories: Indoor 56VDC AC/DC PoE Injector, Weatherproof Lightning Protector with Pole Mount Kit

A2 Coverage Performance Overview





	2.4GHz	5GHz
Access range up to	**With laptops / smartphones**	
Open area	500 m	900 m
Rural	200 m	400 m
Suburban	150 m	300 m
Urban	70 m	200 m

Note: The range will be varied depending on NLOS and interference conditions

ALTAI Super WiFi

A2 Competitive Analysis

Spec	Altai A2	Aruba AP-375	Aruba AP-365	Ruckus T310
Max. LOS Access 2.4GHz (m)	500	200	150	120
Max. LOS Access 5GHz (m)	900	200	150	110
Wi-Fi Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Aggregated Data Rate (Mbps)	1167	2033	1167	1167
No. Concurrent Users (Total)	512	512	256	512
MIMO	SU-MIMO 2x2	MU-MIMO 2 x 2 + 4 x 4	MU-MIMO 2 x 2	2x2 SU-MIMO + 2x2 MU-MIMO
SSID	32	32	32	31

CX600 (indoor/outdoor) (Pico Coverage)

What is Altai CX600?

Altai CX600 is a dual-band 2x2 802.11ax (Wi-Fi 6) AP with external antennas. It has a maximum 1.77Gbps data rate (2.4GHz and 5GHz aggregated) which can support high-speed, medium- to high-density applications. Use of external antennas makes it flexible for different scenarios. It's designed to be an outdoor AP with IP67 rating. However, its compact and aesthetic design makes it also applicable for indoor areas.

Operational Modes:

- Access Point for 2.4GHz & 5GHz
- Bridge for 5GHz
- CPE for 2.4GHz & 5GHz

Key Applications:

- Smart City street-level coverage (outdoor)
- Wireless Broadband
- Event, Fair, or Festival Gathering WiFi Access
- Venues with medium- to high-density users
- Industrial CPE for robots and vehicles

Suitable for following verticals

CX600

Key Selling Points

- Best price performance in coverage, data rate and concurrent user
- Weatherproof design suitable for quick outdoor deployment
- Compact design- easy to embed to robotics application as CPE
- Easy to manage and use via controller

Suggested Bundled Solution:

- Access Point: A8, AX600 or A3-Ei
- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- Industrial PoE Switch: MIS120P and MIS200P
- Antenna for better coverage: 2.4G 10dBi Omni Antenna with RP-SMA Connectors, 5G 13dBi Omni Antenna with RP-SMA Connectors
- Accessories: Indoor 54VDC PoE injector, Weatherproof Lightning Protector with Pole Mount Kit

CX600 Coverage Performance Overview

	2.4GHz	5GHz
Access range up to	**With laptops / smartphones**	
Open area	350 m	250 m
Rural	150 m	100 m
Suburban	100 m	60 m
Urban	50 m	40 m

Note: The range will be varied depending on NLOS and interference conditions

CX600 Competitive Analysis

Spec	Altai CX600	Meraki MR76	Aruba AP-565	Aruba AP-565EX	Ruckus T350
Max. LOS Access 2.4GHz (m)	350	300	180	180	200
Max. LOS Access 5GHz (m)	250	200	160	160	150
Wi-Fi Standard	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax
Aggregated Data Rate (Mbps)	1774	1774	1774	1774	1774
No. Concurrent Users (Total)	512	512	512	512	512
MIMO	MU-MIMO 2x2	MU-MIMO 2x2	MU-MIMO 2 x 2	MU-MIMO 2 x 2	MU-MIMO 2x2
SSID	32	16	32	32	31

CX200 (indoor/outdoor) (Pico Coverage)

What is Altai CX200?

Altai CX200 is a dual-band 2x2 802.11ac Wave 2 (Wi-Fi 5) AP with external antennas. It has a maximum data rate of 867Mbps on 5GHz and 400Mbps on 2.4GHz which can support high-speed, medium- to high-density applications. Use of external antennas makes it flexible for different scenarios. It's designed to be an outdoor AP with IP67 rating. However, its compact and aesthetic design makes it also applicable for indoor areas.

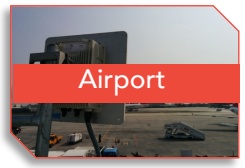
Operational Modes:

- Access Point for 2.4GHz & 5GHz
- Bridge for 5GHz
- CPE for 2.4GHz & 5GHz

Key Applications:

- Smart City Coverage (outdoor)
- Event, Fair, or Festival Gathering WiFi Access
- Venues with medium- to high-density users
- Industrial CPE for robots and vehicles

Suitable for following verticals



CX200

Key Selling Points

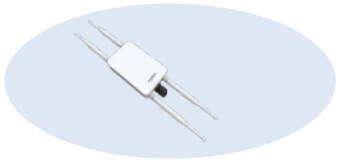
- Best in price performance in coverage, data rate and concurrent user
- Weatherproof design suitable for quick outdoor deployment
- Compact design- easy to embed to robotics application as CPE
- Easy to manage and use via controller

Suggested Bundled Solution:

- Access Point: A8, AX600 or A3-Ei
- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- Industrial PoE Switch: MIS120P and MIS200P
- Antenna for better coverage: 2.4G 10dBi Omni Antenna with RP-SMA Connectors, 5G 13dBi Omni Antenna with RP-SMA Connectors
- Accessories: Indoor 54VDC AC/DC PoE injector, Weatherproof Lightning Protector with Pole Mount Kit

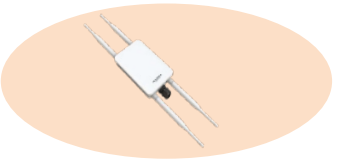
CX200 Coverage Performance Overview

CX200



5 dBi

CX200



5 dBi

	2.4GHz	5GHz
Access range up to	**With laptops / smartphones**	
Open area	300 m	200 m
Rural	120 m	80 m
Suburban	80 m	50 m
Urban	40 m	30 m

Note: The range will be varied depending on NLOS and interference conditions

ALTAI Super WiFi

CX200 Competitive Analysis

Spec	Altai CX200	Aruba AP-365	Aruba AP-367	Ruckus T310
Max. LOS Access 2.4GHz (m)	300	180	220	180
Max. LOS Access 5GHz (m)	200	150	180	150
Wi-Fi Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Aggregated Data Rate (Mbps)	1267	1167	1167	1167
No. Concurrent Users (Total)	512	256	256	512
MIMO	MU-MIMO 2x2	MU-MIMO 2x2	MU-MIMO 2x2	MU-MIMO 2x2
SSID	32	32	32	31

C2s (indoor/outdoor) (Pico Coverage)

What is Altai C2s?

Altai C2s is a dual-band 802.11ac (WiFi 5) AP/Bridge with built-in directional antenna in a small chassis. It has a maximum data rate of 867Mbps on 5GHz and 300Mbps on 2.4GHz. With a GbE interface, it can deliver net throughput of hundreds of Mbps. In addition to being an AP to provide dual-band WiFi access, C2s can also work in pairs to form high-throughput PTP bridge links. It has IP55 rating and can be used both indoor and outdoor.

Operational Modes:

- Access Point for 2.4GHz & 5GHz
- Bridge for 5GHz
- CPE for 2.4GHz & 5GHz

Key Applications:

- Small and medium-sized enterprises
- Multiple Dwelling Unit
- Event, Fair, or Festival Gathering WiFi Access
- Venues with medium- to high-density users
- CPE for wireless broadband service

Suitable for following verticals

C2s

Key Selling Points

- Best price performance in coverage, data rate and concurrent user
- Weatherproof design suitable for quick outdoor deployment
- Compact dual band access point
- Economical solution for short-distance (<=2km) bridge
- Easy to manage via controller

Suggested Bundled Solution:

- Access Point: A8, AX600 or A3-Ei
- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- Accessories: Weatherproof Lightning Protector with Pole Mount Kit

C2s Competitive Analysis

Spec	Altai C2s	Cambium e501S	Aruba AP-367
Max. LOS Access 2.4GHz (m)	**600**	200	220
Max. LOS Access 5GHz (m)	**700**	180	180
Wi-Fi Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Aggregated Data Rate (Mbps)	1167	1167	1167
No. Concurrent Users (Total)	512	256	256
MIMO	SU-MIMO 2 x 2	SU-MIMO 2 x 2	SU-MIMO 2 x 2
SSID	32	32	32

C1n (indoor/outdoor) (Pico Coverage)

What is Altai C1n?

Altai C1n is an 802.11b/g/n (2.4GHz) WiFi AP/CPE with built-in directional antenna in a small chassis. Its large Tx power (29dBm) and high antenna gain (10dBi) lead to unparalleled long-range coverage capability among products of similar sizes. In addition to being an AP to provide WiFi access, C1n can also work as a CPE to provide wireless backhaul, e.g., for home broadband users. It has IP55 rating and can be used both indoor and outdoor.

There's also an external-antenna version C1xn, which can be equipped with high-gain sector antenna for better coverage or omni antenna for working as CPE for mobile stations.

Key Applications:

- City-Wide Hotspot Coverage
- Remote Area Coverage
- CPE for Wireless Broadband
- Home Wireless Router, especially with satellite service

Operational Modes:

- Access Point for 2.4GHz
- CPE for 2.4GHz

Suitable for following verticals

C1n

Key Selling Points

- Best in price performance in access coverage
- More Wireless Features in the same category
- Better Reliability and Stability

Suggested Bundled Solution:

- Access Point: A8, AX600 or A3-Ei
- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- Antenna for better coverage with C1xn: 2.4G 15dBi sector antenna

C1n Competitive Analysis

Spec	Altai C1n	Altai C1xn	Ubiquiti NanoStation M2	Mikrotik BaseBox 2
Max. LOS Access 2.4GHz (m)	800	1200 (15 dBi external sector)	13000 #	External Antenna
Wi-Fi Standard	802.11b/g/n	802.11b/g/n	802.11b/g/n, airMAX (TDMA)	802.11b/g/n
Aggregated Data Rate (Mbps)	300	300	150	300
No. Concurrent Users (Total)	256	256	<=50 (PTMP bridge)	2007 *
MIMO	2 x 2	2 x 2	2 x 2	2 x 2
SSID	16	16	NA	127 +

TDMA bridge application
* Software config limit, not necessarily practical
+ Software config limit, recommended <=30 by vendor

ALTAI Super WiFi

C1an (indoor/outdoor) (Pico Coverage)

What is Altai C1an?

Altai C1an is an 802.11a/g/n (5GHz) WiFi AP/CPE with built-in directional antenna in a small chassis. Its large Tx power (29dBm) and high antenna gain (14dBi) lead to unparalleled long-range coverage capability among products of similar sizes. It has IP55 rating and can be used both indoor and outdoor.

There's also an external-antenna version C1xan, which can be equipped with high-gain sector antenna for better coverage or omni antenna for working as CPE for mobile stations.

Operational Modes:

- Access Point for 5GHz
- CPE for 5GHz
- Bridge for 5GHz

Key Applications:

- Hotspot Coverage
- 5GHz PTP bridge link, e..g, for campus building interconnection
- CPE for Wireless Broadband
- Video Surveillance: CPE for video cameras

Suitable for following verticals

C1an

Key selling points:

- A cost effective wireless bridge
- More Wireless Features in the same category
- Better Reliability and Stability

Suggested Bundled Solution:

- Access Point: A8, AX600 or A3-Ei
- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- Antenna for better coverage with C1xan: 5G 16dBi sector antenna

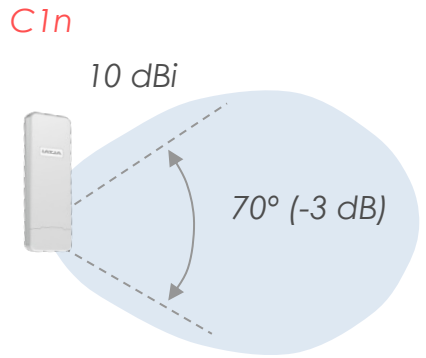
C1an Competitive Analysis

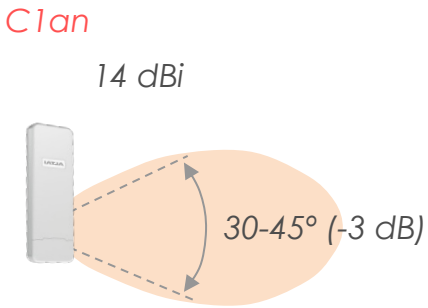
Spec	Altai C1an	Altai C1xan	Ubiquiti NanoStation M5	Mikrotik BaseBox 5
Max. LOS Access 5GHz (m)	1000	1100 (16 dBi external sector)	15000 #	External Antenna
Wi-Fi Standard	802.11a/n	802.11a/n	802.11a/n, airMAX (TDMA)	802.11a/n
Aggregated Data Rate (Mbps)	300	300	150	300
No. Concurrent Users (Total)	256	256	<=50 (PTMP bridge)	2007*
MIMO	2 x 2	2 x 2	2 x 2	2 x 2
SSID	16	16	NA	127+

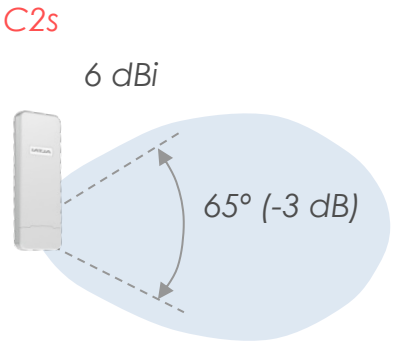
TDMA bridge application
* Software config limit, not necessarily practical
+ Software config limit, recommended <=30 by vendor

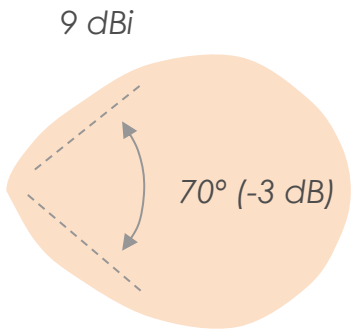
ALTAI Super WiFi

C series Coverage Performance Overview









Note: The range will be varied depending on NLOS and interference conditions

Access range up to	C1xn 15 dBi 85° sector	C1n	C1xan 16 dBi 60° sector	C1an	C2s (2.4GHz)	C2s (5GHz)
Open area	1.2 km	800 m	1.1 km	1 km	600 m	700 m
Rural	600 m	400 m	500 m	450 m	300 m	300 m
Suburban	400 m	250 m	350 m	300 m	200 m	200 m
Urban	300 m	150 m	250 m	200 m	100 m	100 m

IX600 (indoor)

What is Altai IX600?

Altai IX600 is a dual-band 2x2 802.11ax (WiFi 6) indoor AP with integrated omni-directional antenna. It has a maximum 1.77Gbps data rate (2.4GHz and 5GHz aggregated) that provides high throughput to wireless clients. It can be powered by 802.3af/at-compliant PoE switches, as well as 12VDC.

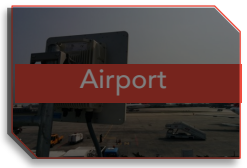
Operational Modes:

- Access Point for 2.4GHz & 5GHz
- CPE for 2.4GHz & 5GHz

Key Applications:

- Small and medium-sized enterprises
- Multiple Dwelling Unit
- Mall/Hotel/School
- Office/Meeting Room/Auditorium

Suitable for following verticals



ALTAI Super WiFi

IX600

Key Selling Points

- Best in price performance in coverage, data rate and concurrent user
- Easy to manage via controller

Suggested Bundled Solution:

- Controllers: AltaiGate 510, 210 & 200 & AltaiCare
- Industrial PoE Switch: MIS120P and MIS200P

IX600 Coverage Performance Overview

	2.4GHz	5GHz
Access range up to	**With laptops / smartphones**	
Open area	350 m	250 m

Note: The range will be varied depending on NLOS and interference conditions

ALTAI Super WiFi

IX600 Competitive Analysis

Spec	Altai IX600	Cambium XV2-2	Meraki MR36	Aruba AP-503	Aruba AP-505	Ruckus R350	Ruckus R550
Max. LOS Access 2.4GHz (m)	350	250	160	80	100	180	200
Max. LOS Access 5GHz (m)	250	250	160	60	80	150	150
Wi-Fi Standard	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax
Aggregated Data Rate (Mbps)	1774	1774	1774	1774	1774	1774	1774
No. Concurrent Users (Total)	512	512	1024	512	512	256	512
MIMO	MU-MIMO 2x2	MU-MIMO 2x2	MU-MIMO 2x2	MU-MIMO 2x2	MU-MIMO 2x2	MU-MIMO 2x2	MU-MIMO 2x2
SSID	32	32	16	32	32	16	31

VX200 (Industrial)

What is Altai VX200?

The Altai VX200 is an industrial CPE/AP specifically designed to deliver unparalleled Wi-Fi experience and highly reliable connectivity for industrial applications. It's a dual-band 2x2 802.11ac (WiFi 5) products with maximum data rates of 867Mbps on 5GHz and 400Mbps on 2.4GHz. Due to the wide operating temperature range and a robust design with enhanced surge, ESD, and vibration protection, VX200 can be used in harshest conditions with the highest reliability. It supports 802.3af/at PoE as well as 12~48VDC input. VX200 is equipped with external antennas.

Operational Modes:

- Access Point for 2.4GHz & 5GHz
- CPE for 2.4GHz & 5GHz

Key Applications:

- Retro-fitting from traditional production line to Smart Manufacturing
- Automated guided vehicle in Logistics/Warehouse
- Automated Rubber Tired Gantry

Suitable for following verticals

VX200

Key Selling Point

- Best Price Performance with Best-in-class RF design delivers extended coverage without any dead spots
- Advanced Seamless Roaming feature – Always Connected -- with Fast hand-over time of < 10 milliseconds & Redundant wireless connectivity with multiple APs
- Advanced graphene coating greatly improves product reliability in high-temperature industrial environments (surge, ESD, vibration, etc.)
- Support Industrial Protocol including Profinet

Suggested Bundled Solution:

- Access Point: A8, AX600 or A3-Ei
- Controller: AltaiGate 510, 210 & 200 & AltaiCare
- Industrial PoE Switch: MIS120P and MIS200P

VX200 Competitive Analysis

Features	Altai VX200	Moxa AWK-1131A	Siemens Scalance W774
Radio	Dual	Single	Single
Max data rate	867M	300M	300M
802.11 ac	Support	No	No
MU-MIMO	Support	No	No
Graphene Coating	Support	No	No
Price	Low	High	High

PTP and PTMP Solution

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Altai PTP and PTMP Solution

Altai PTP And PTMP Solution has a variety of options in both TDMA and WiFi based. The configurations are based on the distance, throughput and application.

PTP (WiFi based): AX600-X, A2, A2x, C1an, C1xan, C2s
PTP (TDMA based): BX500 series

PTMP (WiFi based): A8/AX600-X/A2x +C2s/C1n/C1an
PTMP (TDMA Based): BX700/600 series + BX270/260 series

Key Applications

- *High-Capacity, High-Reliability PTP Backhaul Links*
- *Microwave Replacement*
- *Campus Building Interconnection*
- *Video Security and Surveillance*
- *Smart City Advanced Traffic Management*

Key Highlights

- No need to deploy fiber to achieve fast connectivity
- AlwaysConnected feature can provide link redundancy, with link switchover time down to 10ms
- By **actively monitoring the radio link's status,** traffic always run on the best link
- Easy to use cloud-based monitoring

Target Audience

- Telcos
- Wireless ISPs
- Regional ISPs
- Enterprise or Municipal IT Managers
- Network Design Engineers
- Video Surveillance and Smart City System Integrators

Suitable for following verticals

Wi-Fi 5GHz Bridge Lineup

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Long Range PtP

A2x
5G: 2 x 2, 802.11ac
Ext. Antenna
50 km @ 34 dBi Dish Antenna

Mid Range PtP

A2(ac)
5G: 2 x 2, 802.11ac
Int. 16 dBi Antenna
20 km, LOS

C1xan
5G: 2 x 2, 802.11n
Ext. Antenna
20 km @ 20 dBi Panel Antenna

Short Range PtP

C1an
5G: 2 x 2, 802.11n
Int. 14dBi Antenna
10 km, LOS

Short Range PtMP

CX200
5G: 2 x 2, 802.11ac
Ext. Antenna, Omni / Sector

A3-Ei
5G: 3 x 3, 802.11ac
Int. 13 dBi Antenna
Horizontal Coverage: **80°**

C2s
5G: 2 x2, 802.11ac
Int. 9 dBi Antenna
Horizontal Coverage: **70°**

TDMA Bridge Lineup

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Point to Point

BX500-N
22dBi Integrated Antenna @ 4.9-6.0GHz
DL/UL ratio – Up to 88%/12%
Up to 500Mbps throughput
Up to 40 km

BX500-X
External Antenna @ 4.9-6.0GHz
DL/UL ratio – Up to 88%/12%
Up to 500Mbps throughput
Up to 80 km

Point to Multi-Point Base Station

BX750-S
17dBi 90°HBW Integrated Antenna @ 4.9-6.0 GHz
Dual carrier, up to 1.5Gbps throughput
Up to 128 subscribers
Up to 40 km

BX700-S
17dBi 90°HBW Integrated Antenna @ 4.9-6.0 GHz
Single carrier, up to 750Mbps throughput
Up to 64 subscribers
Up to 40 km

BX600-S
17dBi 90°HBW Integrated Antenna @ 4.9-6.0 GHz
Up to 250Mbps throughput
Up to 16 subscribers
Up to 40 km

BX600-X
External Antenna @ 4.9-6.0 GHz
Up to 250Mbps throughput
Up to 16 subscribers
Up to 40 km

Point to Multi-Point Subscriber

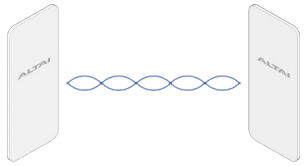
BX270-N
22dBi Integrated Antenna @ 4.9-6.0 GHz
Up to 500Mbps throughput
Up to 40 km

BX260-N
22dBi Integrated Antenna @ 4.9-6.0 GHz
Up to 250Mbps throughput
Up to 40 km

BX270-X
External Antenna @ 4.9-6.0 GHz
Up to 500Mbps throughput
Up to 40 km

BX260-X
External Antenna @ 4.9-6.0 GHz
Up to 250Mbps throughput
Up to 40 km

802.11an PTP Wireless Bridge



C1an
14dBi, 45°

C1an
14dBi, 45°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)
0.5	87	96
1	87	96
2	87	96
5	72	96
10	28	44
15	6	NA
20	NA	NA

* The throughput varies depending on wireless conditions and limited by the Fast Ethernet Port.

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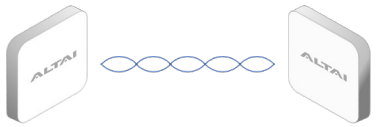
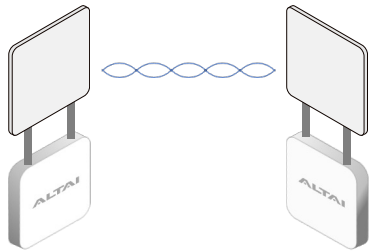
802.11ac PTP Wireless Bridge



A2(ac)
16dBi, 20°

A2(ac)
16dBi, 20°

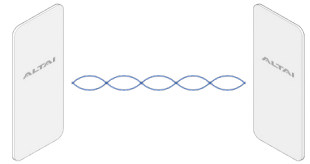
Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
0.5	104	240	520
1	104	240	520
2	104	240	520
5	79	165	215
10	56	87	94
15	26	41	29
20	18	13	NA



A2x
Ext. Ant.
20dBi, 10°

A2x
Ext. Ant.
20dBi, 10°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
0.5	104	240	520
1	104	240	520
2	104	240	520
5	95	198	358
10	70	131	189
15	52	81	88
20	24	38	27



C2s
9dBi, 70°

C2s
9dBi, 70°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
0.5	104	240	390
1	104	240	390
2	87	180	234
5	32	50	36
10	NA	NA	NA
15	NA	NA	NA
20	NA	NA	NA

* The throughput varies depending on wireless conditions.

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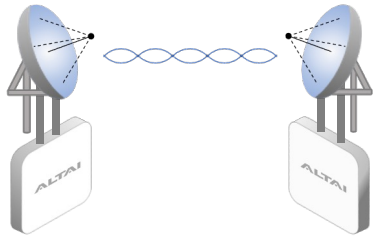
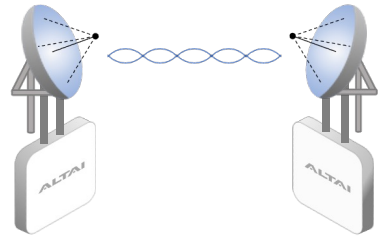
802.11ac PTP Wireless Bridge



A2x
Ext. Ant.
32dBi, 3.5°

A2x
Ext. Ant.
32dBi, 3.5°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
2	104	240	520
4	97	224	485
10	84	193	419
20	72	167	361
30	61	126	228
40	55	95	185
50	41	85	111



A2x
Ext. Ant.
34dBi, 3°

A2x
Ext. Ant.
34dBi, 3°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
2	104	240	520
4	97	224	485
10	84	193	419
20	72	167	361
30	61	140	303
40	55	114	206
50	49	85	166

* The throughput varies depending on wireless conditions.

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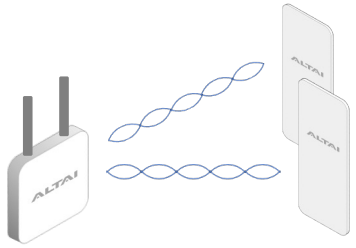
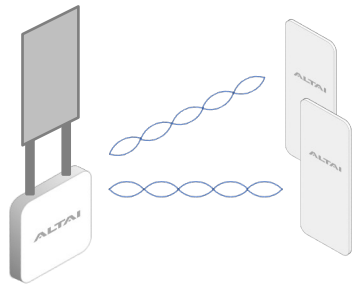
802.11ac PTMP Wireless Bridge



A2x
9dBi, 360°

C2s
9dBi, 70°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
0.5	104	240	468
1	104	240	429
2	87	180	234
5	32	50	36
10	NA	NA	NA
15	NA	NA	NA
20	NA	NA	NA



A2x
16dBi, 60°

C2s
9dBi, 70°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
0.5	104	240	520
1	104	240	520
2	104	198	390
5	68	99	107
10	21	36	NA
15	6	NA	NA
20	NA	NA	NA

* The throughput varies depending on wireless conditions.

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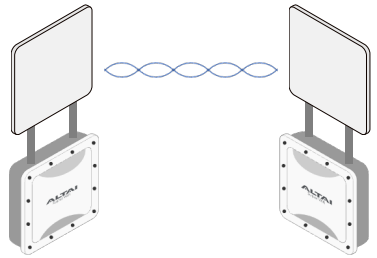
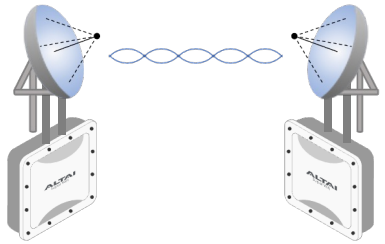
802.11ax PTP Wireless Bridge



AX600-X Ext. Ant. 20dBi, 10°

AX600-X Ext. Ant. 20dBi, 10°

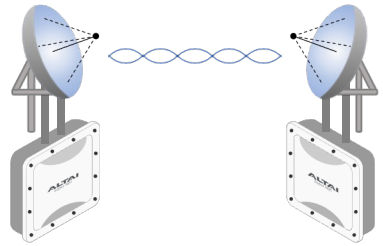
Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
0.5	172	344	721
1	172	344	721
2	172	344	721
5	158	284	528
10	100	166	313
15	70	93	195
20	43	57	90



AX600-X Ext. Ant. 32dBi, 3.5°

AX600-X Ext. Ant. 32dBi, 3.5°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
2	172	344	721
4	161	321	673
10	139	277	580
20	120	239	450
30	90	161	303
40	73	131	228
50	49	98	163



AX600-X Ext. Ant. 34dBi, 3°

AX600-X Ext. Ant. 34dBi, 3°

Dist. (km)	TP @ 20MHz (Mbps)	TP@ 40MHz (Mbps)	TP @ 80MHz (Mbps)
2	172	344	721
4	161	321	673
10	139	277	580
20	120	239	500
30	100	201	336
40	82	145	274
50	65	117	204

* The throughput varies depending on wireless conditions.

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BX PTP Wireless Bridge

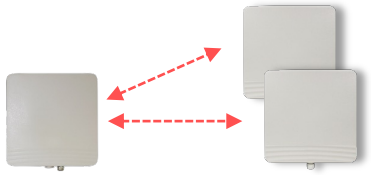
BX500-N
22dBi, 10°

BX500-N
22dBi, 10°

Dist. (km)	DL/UL TP@ 80MHz (Mbps)
0.5	250/250
1	250/250
2	250/250
5	219/219
10	106/106
15	78/78
20	25/25

* The throughput varies depending on wireless conditions.

BX PTMP Wireless Bridge



BX700-S
17dBi, 90°

BX270-N
22dBi, 10°

Dist. (km)	DL/UL TP@ 80MHz (Mbps)
0.5	365/332
1	274/278
2	245/223
5	157/111
7	102/111
10	73/83
15	23/28

* The throughput varies depending on wireless conditions.

ALTAI Super WiFi

WLAN Controllers

ALTAI Super WiFi

WLAN Controller Overview

ALTAI Super WiFi

		ALTAICARE CLOUD	ALTAICARE ON-PREMISES	ALTAIGATE
		AltaiCare	VM	
Deployment Model		Cloud, SaaS	On-Prem, VMware-based	On-Prem, Appliance
Target Deployment Scenarios		SMBs	MNOs, WISPs	Enterprises, Verticals, WISPs
Max AP Number		Unlimited	3000	200/500
Credit/License Management		Credits; Pay as you grow	License (perpetual)	License (perpetual)
AP Management		✓	✓	✓
RADIUS Auth		✓	✓	✓
Active Directory Auth		✗	✓	✓
Portal Auth	Standard Login/ Guest Login/Sign-up	✓	✓	✓
	Social Login	✓	✗	✗
Next-Generation Firewall		✗	✗	[#] ✓
IoT Discovery		✗	✗	[#] ✓
Client Traffic Forwarding	Local Breakout	✓	✓	✓
	Tunneling	✗	✗	✓
HA Support		✓	✗	✓

[#]Applicable to AG500

Industrial Switches

Industrial PoE Switch Hardware Specifications and Feature Highlights

	MIS 120P	MIS 200P
Copper Ports (RJ45)	• 4 x 10/100/1000 PoE Ports (PSE: IEEE802.3af/at, max 30W each)	• 8 x 10/100/1000 PoE Ports (PSE: IEEE802.3af/at, max 30W each) • 2 x 10/100/1000 non-PoE Ports
SFP/Mini-GBIC Slots	• 2 x 100/1000 SFP Slots	• 4 x 100/1000 SFP Slots
Installation	• DIN-Rail Mount	
Enclosure	• IP40 Aluminium Case	
Input Power	• DC 48-57V, via 6-Pin Terminal Block	
Operating Temp.	• -40°C to +80°C	
Humidity	• 5 to 90% (Non-Condensing)	• 5 to 95% (Non-Condensing)
Power Consumption	• Max 8W	• Max 12W
Dimensions	• 145 x 134.5 x 47.5 mm	• 165 x 148 x 54 mm
Weight	• 0.6kg	• 1.1kg
ESD Protection	• Contact Discharge: ±8 kV • Air Discharge: ±15 kV	
EFT Protection	• Power Line: ±4 kV • Data Line: ±2 kV	

	MIS 120P	MIS 200P
Software Feature Highlights	• ERPS redundant ring technology • STP/RSTP/MSTP • IEEE 802.1Q tagged VLAN • Link Aggregation: IEEE802.3ad LACP/Static Trunk • QoS • IGMP snooping v1/v2 • Support SSH, SSL, and SNMP v1/v2c/v3 • Bandwidth control • storm control • Port Isolation • Dynamic ARP inspection • 802.1X access control	

MIS 120P
(6-Gigabit Ports)

MIS 200P
(14-Gigabit Ports)

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ATEX Enclosures

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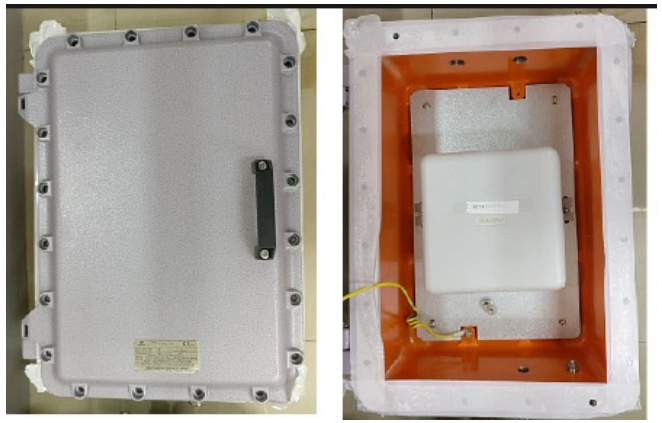
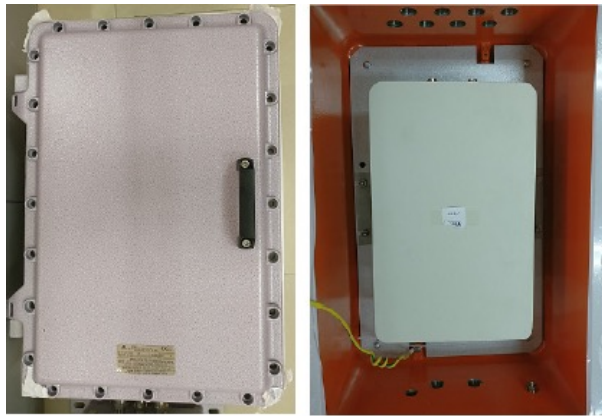
Explosion-proof ATEX/IECEx Enclosure for APs

Enclosure Model	Altai AP Model	Hazardous Division	Size (mm)	Weight (kg)	Holes
AL10	CX200	Class 1, Division 1 / Zone 1 certified	350 x 300 x 200	14.5	5 x M20
AL20	A2		450 x 350 x 210	23	2 x M25, 1 x M20
AL80	A8n(ac)		634 x 434 x 265	46	10 x M25, 1 x M20





ATEX Enclosure Accessories

Accessory Name	Size
Gland-S	M20 sized
Gland-L	M25 sized
Plug-S	M20 sized
Plug-L	M25 sized
2-Meter RF Cable with Pre-Fabricated Cable Gland(RP-SMA to N Connector)	2-Meter cable+ M20 sized gland
3-Meter RF Cable with Pre-Fabricated Cable Gland(N to N Connector)	3-Meter cable+ M25 sized gland

ALTAI Super WiFi

HAFS
Smart Distributeur Africa

HAFS
NETWORKS | France

Distributeur à Valeur Ajoutée de Solutions de Cybersécurité | Wi-Fi | Réseaux

Hillstone NETWORKS | SEARCHINFORM RISK AND COMPLIANCE MANAGEMENT | ALTAI Super WiFi | vade | SECPOINT®

Nous Contacter

www.hafs-afrique.com

West Africa | Côte d'Ivoire
+225 07 89 82 56 49 | 07 87 57 64 11
sales@hafs-afrique.com

Maroc
+212 52 24 49 937
sales@hafs-networks.com

North & Central Africa | France
+33 09 73 89 20 39 | 06 24 12 27 05
sales@hafs-networks.com