



# Next Generation Cloud-Managed WLAN Solution

Data Sheet

Altai Insights is a cloud-first wireless network management solution that aims to provide centralized visibility and control over a small-sized network without the cost of additional hardware controllers or overlay management systems. Different from AltaiCare Cloud, the Insights platform is designed to be end user oriented and provides streamlined self-service account registration and flexible subscription plans for the end users. It saves hassles and time without going through any resellers and distributors, enabling quick and efficient network rollout.

## Key Features and Benefits



Streamlined AP configuration process and effortless centralized network and user management



Scalable subscription-based model, paying only for what you need as you grow



Full visibility into Wi-Fi performance, user traffic and network inventory across the network



Multi-user privileges in an organization for flexible WLAN management



Comprehensive configuration history management, allowing you to track changes and roll back configuration as needed



Built on a serverless cloud architecture for high resiliency and scalability, providing you with a true always-on services while staying ahead with the latest feature updates



Built-in RADIUS and captive portal services for enterprise and guest Wi-Fi user access, securing your network



## WLAN Management

- Synchronization with Existing AP Configuration
- Configuration Template and Batch Provisioning
- Configuration History and Rollback
- Bulk Firmware Update
- Radio Resource Management (Auto Channel Selection, †Band Steering, and more)
- Bandwidth Control Per SSID/Client
- Client Association Control per SSID by SNR and Data Rate
- Hidden SSID in Beacons
- †Fast Roaming (802.11r)
- QoS: 802.11e (WMM)
- †DHCP Snooping Trust Port
- Google Map and Indoor Layout Import
- Real-Time AP Group/AP/Client Monitoring
- AP Event Log and Full Log Retrieval

## ‡Access Services

- Captive Portal
  - Portal Page Templates
  - Click-Through, User Sign-Up and Standard Account Login
  - Social Login (Facebook, Google, LinkedIn, X)
  - Guest Access Vouchers
  - MAC Caching for Repeated Users' Login Bypassing Splash Page
  - Guest Wi-Fi Advertising and Marketing
- RADIUS
  - User Group and Account Management
  - Per-User QoS and Access Control: Session Timeout, Data Quota, Account Validity, Bandwidth Control, and more
  - User Traffic Accounting

## Data Plane

- Distributed Forwarding (Client data traffic stays local and sent through an existing gateway/firewall)
- VLAN Assignment per WLAN (Access/Trunk)

## Data Analytics

- Statistics on AP Online Status, Traffic, Client Association and RF Performance
- Up to 12-Months of Historical Data Retention

## WLAN Security

- Standards
  - WPA/WPA2/\*WPA3
  - 802.11i
  - 802.11w (Management Frame Protection)
- Authentication
  - WPA/WPA2-Personal (PSK)
  - WPA/WPA2-Enterprise (802.1X/EAP)
  - \*WPA3-Personal (SAE)
  - \*WPA3-Enterprise (802.1X/EAP)
  - WEP
  - Open (Portal, MAC Authentication)
- Encryption
  - WEP
  - TKIP
  - AES
- User Database
  - RADIUS (‡Internal/External)
- User Access Control
  - MAC Address-Based ACL
  - Layer 2 Isolation
  - †Access Traffic Right
- AP Management
  - Trust IP Management Access
  - AP Login Credentials Management

## System Management

- Web Interface (HTTP/HTTPS)
- Multi-User Privileges
- Self-Service Registration and Password Recovery

## Licensing Scheme

- Basic License
  - For AP Management Features
  - Per-AP Yearly Subscription
- Additional License
  - For Captive Portal and RADIUS Authentication Services
  - Per-AP Yearly Subscription

## Supported AP Models

- CX600/CX200
- IX600
- C1n (HW Version 4.0 or above)
- C260 Series

\*Expected in a future release

†Feature availability depending on AP models

‡Additional license required

|                       |                                             | Insights                                                                                                                                                                                                                                                                                               | AltaiCare                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       |                                             |                                                                                                                                                                                                                       |                                                                                                                                                                                                |
| Business Model        |                                             | B2C, e.g. individuals                                                                                                                                                                                                                                                                                  | B2B, e.g. MSPs, project owners                                                                                                                                                                                                                                                    |
| Subscription Model    |                                             | By yearly licensing based on AP number                                                                                                                                                                                                                                                                 | By credit purchases based on AP model and number                                                                                                                                                                                                                                  |
| Architecture          |                                             | Single tier (organization)                                                                                                                                                                                                                                                                             | Two tiers (project > site/domain)                                                                                                                                                                                                                                                 |
| Supported AP Capacity |                                             | 1,000 AP per organization                                                                                                                                                                                                                                                                              | Unlimited                                                                                                                                                                                                                                                                         |
| Initial Account Setup |                                             | Self-registration via Email                                                                                                                                                                                                                                                                            | Through resellers/distributors                                                                                                                                                                                                                                                    |
| WLAN Management       | AP Registration                             | Single AP and bulk AP registration                                                                                                                                                                                                                                                                     | Single AP and bulk AP registration                                                                                                                                                                                                                                                |
|                       | AP Configuration and Provisioning           | <ul style="list-style-type: none"> <li>• Template created from scratch or by synchronization with existing AP configuration</li> <li>• One template for all settings including AP's system, radio configuration, WLAN and security profiles</li> <li>• Applied to AP group or individual AP</li> </ul> | <ul style="list-style-type: none"> <li>• Template created from scratch</li> <li>• Separate templates for default site (AP's system and radio settings), WLAN profiles and security profiles</li> <li>• Applied to site-wide, branch (subset of site) and individual AP</li> </ul> |
|                       | AP Configuration History and Rollback       | Yes                                                                                                                                                                                                                                                                                                    | No                                                                                                                                                                                                                                                                                |
|                       | Dashboard                                   | Organization-wide, individual AP                                                                                                                                                                                                                                                                       | Site-wide, individual AP, individual WLAN, domain-wide                                                                                                                                                                                                                            |
|                       | AP Firmware Update Scheduling               | Yes                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                                                                                                                                                                               |
|                       | WLAN Scheduling                             | No                                                                                                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                                                                                               |
|                       | Map                                         | Yes                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                                                                                                                                                                               |
|                       | Bridge Link Topology Visualization          | No                                                                                                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                                                                                               |
|                       | Wireless Intrusion Prevention System (WIPS) | No                                                                                                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                                                                                               |
|                       | Monitoring                                  | Real-time statistics on AP group/AP/client association/RF performance                                                                                                                                                                                                                                  | Real-time statistics on site/WLAN/AP/bridge link/client association/RF performance                                                                                                                                                                                                |
|                       | Logging                                     | AP event log view and full log retrieval                                                                                                                                                                                                                                                               | AP event log view and full log retrieval                                                                                                                                                                                                                                          |
|                       | Reporting                                   | No                                                                                                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                                                                                               |
|                       | Alert Notification                          | No                                                                                                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                                                                                               |
|                       | Data Retention                              | Up to 12-months subject to data type                                                                                                                                                                                                                                                                   | Up to 12-months subject to data type                                                                                                                                                                                                                                              |

|                      |                                                                    | Insights                                                                                                                                                                                   | AltaiCare                                                                                                                                                                                                                                                                |
|----------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| User Access Services | Authentication                                                     | <ul style="list-style-type: none"> <li>WPA/WPA2/*WPA3-Enterprise (802.1X/EAP)</li> <li>WPA/WPA2/*WPA3-Personal (PSK)</li> <li>MAC Authentication</li> <li>Portal Authentication</li> </ul> | <ul style="list-style-type: none"> <li>WPA/WPA2/WPA3-Enterprise (802.1X/EAP)</li> <li>WPA/WPA2/WPA3-Personal (PSK)</li> <li>MAC Authentication</li> <li>Portal Authentication</li> <li>Combination of Portal and PSK</li> <li>Combination of MAC Auth and PSK</li> </ul> |
|                      | Captive Portal Page Template                                       | Yes                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                      |
|                      | HTTP/CSS Customizable Package                                      | No                                                                                                                                                                                         | Yes                                                                                                                                                                                                                                                                      |
|                      | Captive Portal Login Methods                                       | Click-through, user sign-up and standard username/password login and social login (Facebook, Google, LinkedIn, X)                                                                          | Click-through, user sign-up, standard username/password login and social login (Facebook & Google)                                                                                                                                                                       |
|                      | Layer 2 Portal                                                     | No                                                                                                                                                                                         | Yes                                                                                                                                                                                                                                                                      |
|                      | Layer 3 Portal                                                     | Yes                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                      |
|                      | Layer 3 Portal User-Defined Domain Name and SSL Certificate Update | No                                                                                                                                                                                         | Yes                                                                                                                                                                                                                                                                      |
|                      | MAC Caching                                                        | Yes                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                      |
|                      | Targeted Advertising                                               | Yes                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                      |
|                      | User Group and Account Management                                  | Yes                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                      |
|                      | Guest Voucher Generation                                           | Yes                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                      |
|                      | Per-User QoS and Access Control                                    | Yes                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                      |
|                      | User Login Session Monitoring                                      | Yes                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                      |
|                      | RADIUS Accounting Log                                              | No                                                                                                                                                                                         | Yes                                                                                                                                                                                                                                                                      |
|                      | User Login Session Report                                          | No                                                                                                                                                                                         | Yes                                                                                                                                                                                                                                                                      |
|                      | Alert Notification                                                 | No                                                                                                                                                                                         | Yes                                                                                                                                                                                                                                                                      |

\*Expected in a future release

|                 |                                      | Insights                                                                                                          | AltaiCare                                                                                                           |
|-----------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Data Plane      | Architecture                         | Distributed forwarding                                                                                            | Distributed forwarding                                                                                              |
|                 | VLAN                                 | <ul style="list-style-type: none"> <li>Per WLAN assignment</li> </ul>                                             | <ul style="list-style-type: none"> <li>Per WLAN assignment</li> <li>Role-based assignment (dynamic VLAN)</li> </ul> |
| Administration  | Self-Service Password Recovery       | Yes                                                                                                               | Yes                                                                                                                 |
|                 | Multi-User Privileges and Management | Yes                                                                                                               | Yes                                                                                                                 |
| Payment Methods |                                      | <ul style="list-style-type: none"> <li>Online: PayPal, credit cards</li> <li>Offline: Prepaid vouchers</li> </ul> | Offline                                                                                                             |