

AltaiCare Mini AC100 is an affordable and easy-to-use WLAN controller designed for small to medium-sized businesses. Despite its palm-sized form factor, it is equipped with a 4-core, 4-thread CPU, enabling it to manage up to 100 Altai APs effortlessly.

The goal of the AltaiCare Mini is to simplify the deployment, operation, and maintenance of your Wi-Fi infrastructure. It offers centralized visibility and control over the APs and user access, all manageable through a single box. Ideal for offices, hotels, educational institutions, and factories, this cost-effective solution delivers exceptional value and reliability, ensuring your network operates at peak performance.



Key Features and Benefits

Centralized Visibility and Control:

Experience seamless management with zero-touch provisioning and monitoring of up to 100 Altai access points through a single-pane web interface. Benefit from real-time performance metrics and instant alert notifications to keep your network running smoothly.

Effortless Captive Portal Setup:

Create a fully customizable captive portal with stylish templates for guest Wi-Fi access. Choose from various login methods, including a simple click-through, user sign-ups, and guest vouchers, making it easy to accommodate diverse user needs.

Robust Security for Enterprise Network:

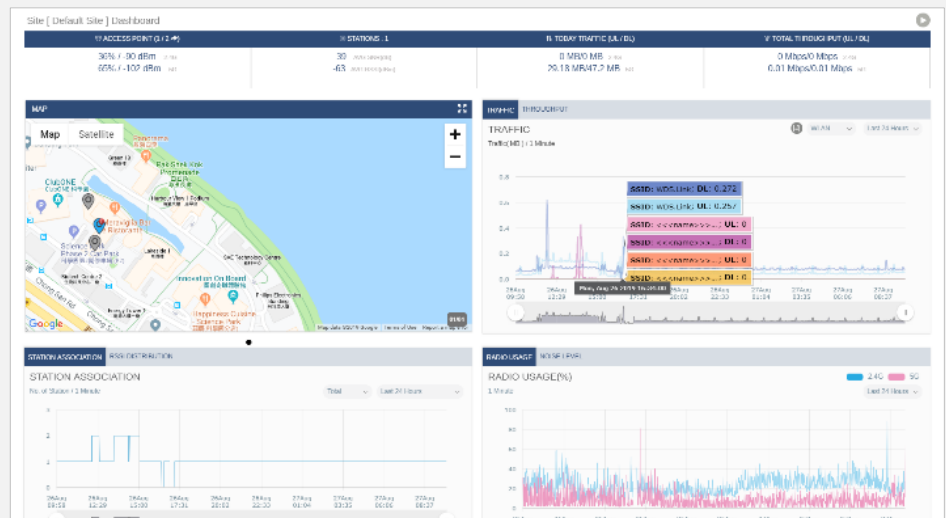
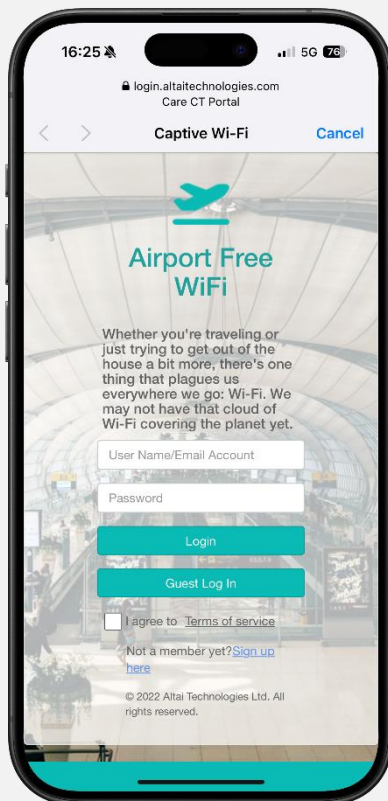
Ensure secure access with role-based 802.1X/EAP authentication, allowing for dynamic VLAN assignments, data control, session control and bandwidth throttling. The AltaiCare Mini supports a built-in RADIUS user database and can redirect to external RADIUS servers, providing flexible and secure network access control.

Comprehensive Reporting and Analytics:

Leverage extensive reporting options with up to 12 months of historical data retention and one month of user login history. This feature enables long-term trend analysis, helping you make informed decisions to optimize network performance.

Efficient Distributed Data Traffic Forwarding:

Separate user data from management traffic for enhanced efficiency. User data is routed directly to its destination through the existing network infrastructure, minimizing latency and ensuring smooth data flow.



Physical Specifications

• CPU	Intel® N100 4-Core 4-Thread @ 3.4 GHz
• Memory	16GB DDR 4
• Network Interface	1 x 10/100/1000/2500 Mbps RJ-45 Port
• Console	1 x RS-232 Serial Port (DB9 Male)
• Dimensions	127 mm (W) x 127 mm (D) x 45.6 mm (H)
• Weight	700 g
• Power Supply	12 VDC
• Operating Temp.	-20 °C ~ 60 °C
• Storage Temp.	-40 °C ~ 80°C
• Cooling Method	Passive, Fanless
• Mounting Method	Desktop mount

Network Capacity

- Managed APs 100 (Max.)

WLAN Management

- Zero-Touch Provisioning based on Broadcast Discovery and DHCP Option 43
- Site-Based Configuration and Batch Provisioning
- WLAN Scheduling
- Bulk Firmware Update Scheduling
- Radio Resource Management (Auto Channel Selection, Band Steering, Multi-AP Steering, and more)
- Google Map and Indoor Layout Import
- Real-Time Site/AP/Client Monitoring
- Scheduled Reporting
- Alert Notifications: Individual AP, Site-Wide, WIPS-Related

Access Services

- Captive Portal
 - Portal Page Templates and HTTP/CSS Customizable Package
 - Click-Through, User Sign-Up and Standard Account Login
 - Guest Access Vouchers
 - MAC Caching for Repeated Users' Login Bypassing Splash Page
 - Targeted Advertising based on Login Location, User Login Profile, Time, and Customized Tags
- RADIUS
 - User Group and Account Management
 - Per-User QoS and Access Control: Session Timeout, Data Quota, Account Validity, VLAN, Bandwidth Control, and more
 - User Traffic Accounting

Data Plane

- Architecture
 - Distributed Forwarding (Client data traffic stays local and sent through an existing gateway/firewall)
- VLAN
 - Per WLAN Assignment (Access/Trunk)
 - Role-Based Assignment (Dynamic VLAN)
 - VLAN Pooling

Data and Reporting

- Scope
 - Per Site

- Per AP
- Data Analytics
 - Site/WLAN/AP/Client/RF Performance Statistics
 - Top APs/Clients by Traffic
 - User Login and Session Statistics
- Reports Exported in CSV and PDF
- Up to 12-Months of Historical Data Retention
- Up to 1-Month of Client Association and Login History

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 (Captive Portal, MAC Authentication)
 - Combination of Captive Portal and PSK
 - Combination of MAC Authentication and PSK
 - MAC Authentication Bypass Before Captive Portal
- Encryption
 - WEP
 - TKIP
 - AES
- User Database
 - Internal: RADIUS
 - External: RADIUS, Active Directory
- User Access Control
 - MAC Address-Based ACL
 - Layer 2 Isolation
- Wireless Intrusion Prevention System (WIPS)
 - Rogue AP/Client Detection
 - DoS Attack Prevention
 - AP Spoof Prevention
 - Password Guessing Protection

System Management

- Local Web Interface
- Northbound Interfaces
 - SNMP v1/v2c/v3
 - Restful API
 - Syslog
- Diagnostics
 - Local (AltaiCare Mini) and Remote (AP) Packet Capture
 - Remote Channel Scan
 - Local and Remote Ping Tool
 - Event Log and System Log
 - User Authentication Log
 - AP Log Fetching on Demand and by Schedule
- Access Management
 - Trusted IP
 - Multiple Login Tiers
 - Password and Account Lockout Policies

Warranty

- 1-Year Limited Hardware Warranty

† Will be available in the future.

Product Ordering Information	
Standard Package	
Part No.: SD.AC-0100-00	AltaiCare Mini WLAN Controller (Model No. AC100) • With 100-240 VAC to 12V/5A DC power adapter • Includes 15 access point licenses • Upgradable to support up to 100 access points with license upgrade
Part No.: SD.AC-LCS0-00	AltaiCare Mini License Upgrade for 1 Access Point
Contact Us	
• Email: sales@altaitechnologies.com or info@altaitechnologies.com	

DS-ACMINI100-260204-V1.1
The information contained herein is subject to change without prior notice.