AltaiCare Mini AC100

Compact Yet Powerful WLAN Controller for Small to Medium Networks

ALTAI Super WiFi

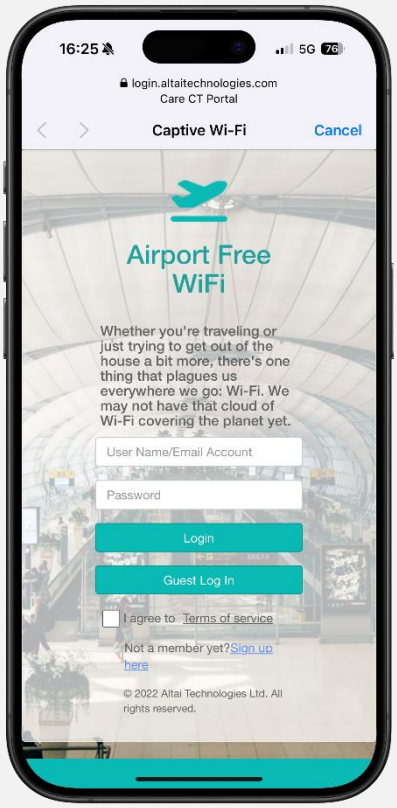
AltaiCare Mini AC100 is an affordable and easy-to-use WLAN controller designed for small to medium-sized businesses. Despite its palm-sized form factor, it is equipped with a 4-core, 4-thread CPU, enabling it to manage up to 100 Altai APs effortlessly.

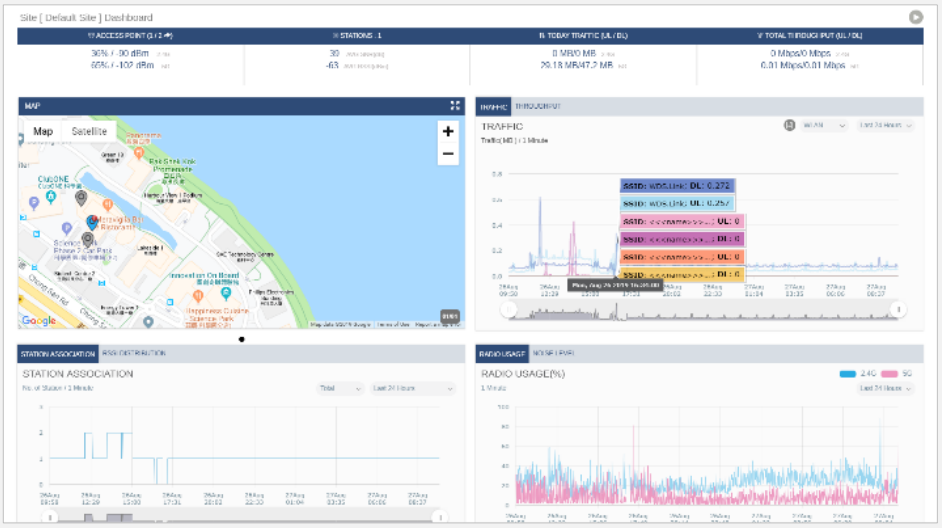
The goal of the AltaiCare Mini is to simplify the deployment, operation, and maintenance of your Wi-Fi infrastructure. It offers centralized visibility and control over the APs and user access, all manageable through a single box. Ideal for offices, hotels, educational institutions, and factories, this 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.





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Physical Specifications

- CPU: Intel® N100 4-Core 4-Thread @ 3.4 GHz
- Memory: 16GB DDR 4
- Network Interface: 2 x 10/100/1000/2500 Mbps RJ-45 Ports
- 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

- 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 (Portal, MAC Authentication)
  - Combination of Portal and PSK
  - Combination of MAC Authentication and PSK
- Encryption
  - WEP
  - TKIP
  - AES
- User Database
  - RADIUS (Internal/External)
- 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
- Diagnostics
  - Packet Capture
  - Event Log and System Log
  - User Authentication Log
  - †Historic Operation Log
- Access Management
  - Trusted IP
  - Multiple Login Tiers
  - Password and Account Lockout Policies

Warranty

- 1-Year Limited Hardware Warranty

† Will be available in the future.

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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 50 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	

ACMINI100-PB-250530

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