

Altai Access Controller Series

The Altai access controller is a leading wireless controller in the industry, designed to be used in Altai Super WiFi systems as access controller. It delivers powerful WLAN access control and user authentication gateway capability. Its robust scalability significantly lowers the operating expenses of operators by providing visibility and control as required to manage a large Wi-Fi network from a single location.

The access controller series contain five models, namely 200, 500, 2000, 4000 and 12000, fulfilling different requirements on AP capacity, throughput capacity and physical port interface. It supports the IETF CAPWAP protocol for AP connection, can be flexibly deployed in existing layer-2 or layer-3 network without reconfiguration, effectively reducing network deployment cost.

Super High Control Capacity

Max. Throughput	1,152 Gbps
Max. Number of Access Point	12,288
Max. Number of User	768,000

Secure, Reliable and Powerful Wireless Access

- Dual-host hot standby, millisecond-level failover
- Multiple mobile security defense methods including blacklist, whitelist, rogue defense, anti-DoS attacks, anti-flood attacks

Intelligent RF Auto Management and Optimization

- Intelligent auto-channel switching ensuring optimal AP channel to minimize adjacent channel interference and avoid various sources of interference via scheduled channel scanning
- AP intelligent load balancing based on traffic and user session

Fine Access Management

- Access policy based on MAC, VLAN, IP, SSID, and AP
- Custom user profile, greatly reduce the difficulty of system configuration
- Flexible QoS, bandwidth limitation based on user or SSID



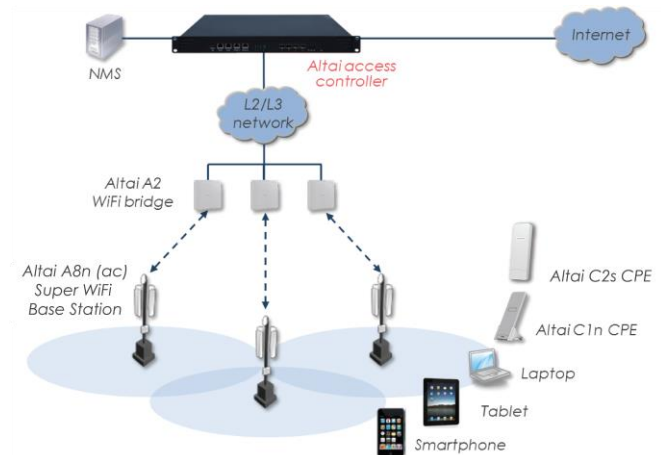
Altai access controller 2000



Altai access controller 4000

All-in-One and One-for-All

- Embedded DHCP server and BAS(broadband Access Server) functionalities
- RADIUS accounting support for flexible billing by time, volume etc.



As an integral part of our Super WiFi network infrastructure, key benefits of the Altai access controller include:

- Plug and play, compact design
- High reliability
- Deployment across L3 network, flexible networking
- Accurate and flexible billing
- Multiple functions in one box including DHCP server and BAS function
- RF management and security
- Seamless roaming
- Easy maintenance – Fat-fit integrated, Web management, unified configuration profile, fast provisioning
- Widely used in public hotspot as well as hotel and enterprises

Hardware Specifications

Access Controller	200	500	2000	4000	12000
• Service Slot	-	-	2	4	12
• Switching Slot	-	-	-	2	2
• 10GE-SR Port	-	-	6	12	36
• GE Port	2	2	4	8	24
• GE SFP Port	4	6	48	96	288
• Power Redundancy	No	Yes	Yes	Yes	Yes

Capacity and Performance

• AP License	256	512	2,048	4,096	12,288
• Concurrent User	16K	32K	128K	256K	768K
• Throughput	12G	16G	192G	384G	1152G
• with 3DES	2.5G	5G	20G	40G	120G
• with AES-CCM	2.5G	5G	20G	40G	120G
• 802.11 Capacity	2.5G	5G	20G	40G	120G
• Host IP Entry	2.5K	5K	20K	40K	120K
• MTBF	150,000 hours				
• MTTR (Max.)	30 minutes				
• Availability (Min.)	99.999%				

Physical and Electrical Specification

• Dimensions	(W)	482.6	482.6	482.6	482.6	482.6
	(D)	440	440	440	440	440
	(H)	45	132.6	132.6	221.5	400
		1U	3U	3U	5U	14U
• Weight (Max.)		5kg	15kg	20kg	40kg	50kg
• Power (110/220VAC)		Yes	Yes	-	-	-
	(-48VDC)	-	Yes	Yes	Yes	Yes
• Current Rating (AC)		0.5A	0.5A	-	-	-
	(DC)	-	1A	6.5A	15A	100A
• Power Consumption		60W	80W	450W	1.3KW	3.2KW
• Op. Temperature		-15 to 60°C				
• Humidity		10 to 95% (Non-condensing)				

Feature Highlight

User Behavior Control

- 802.11e-WMM
- WMM Power Saving Mode
- L2/L3 Seamless Roaming
- SSID-based Traffic Classification and Policy
- Role/User-based Flow Classification & Authority Control

Authentication and Security

- 802.11i (WPA, WPA2)
- 802.1x (EAP-TLS/TTLS/SIM/AKA), PEAP, MD5
- PPPoE, WAPI
- Seamless Authentication
- Deployment Across L3 Network, Flexible Networking
- Port Isolation
- Blacklist/Whitelist
- ARP Attack/IP Spoofing Defense

Intelligent RF Management

- Auto Channel Selection
- Rogue AP Detection
- Wi-Fi LBS
- Traffic-based Load Balancing*

Wireless Control

- CAPWAP
- Intelligent Forwarding Based on SSID
- Local Forwarding
- CAPWAP Centralized Forwarding
- SSID and VLAN Binding
- MAC/IP-based User Control
- SSID Hiding
- Multiple SSID

Network and Advanced Application

- Link Aggregation
- STP
- IGMP Snooping
- VRRP Based 1+1 Redundancy
- DHCP Server
- DHCP Relay

Management and Maintenance

- AP Group Configuration and Auto Upgrade
- Multi-level User Login
- HTTPS-based Web Management
- SSH/Telnet/Console-based CLI

Standards Compliance

- EMI: EN55022 Class A, ETSI EN 300 386, CISPR 22 Class A, GB9254 Class A, IEC 61000-3-2, IEC 61000-3-3 FCC Class A, VCCI Class A
- EMS: EN555024, ETSI EN300 386, CISPR 24, GB/T 17626, GB/T 17618, IEC 61000-4
- Security: EN 60950, UL 60950, CAN/CSA-C22.2 No. 60950, GB 4943, IEC 60950, AS/NZS 60950
- Wireless: IEEE 802.11a, 802.11b, 802.11g, 802.11d, 802.11h, 802.11n
- Authentication and Security: WAPI, 802.11i, WPA, WEP&TKIP-MIC, SSL&TLS, AES-CCM, CCMP, 802.1x, MD5, IKE

Product Ordering Information

Standard Package

- AC 200 with 64 AP licenses, expandable in 64 AP step
- AC 500 with 128 AP licenses, expandable in 64 AP step
- AC 2000/4000/12000 expandable in 128 AP step, modular 1,024 AP service card and various GE/GE SFP/10GE line card

Contact Us

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* Will be available in future.

AC-PB-160815

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