

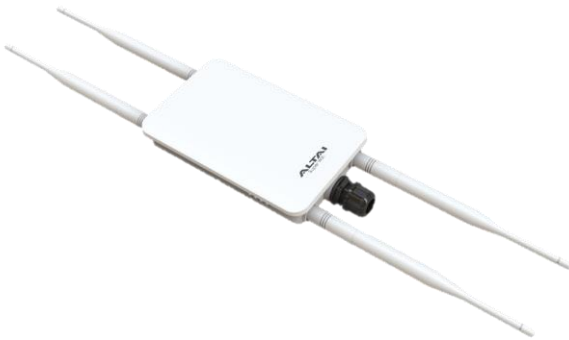
## Altai CX200 Outdoor 2x2 802.11ac Wave 2 Wi-Fi AP

Designed for medium to high-density outdoor venues, the Altai CX200, with next generation 802.11ac Wave 2 technology, delivers unparalleled Wi-Fi experience and highly reliable connectivity at the market's most affordable price point.

### Exceptional Performance in Harsh Outdoor Conditions

The CX200 features patented Altai technologies to extend coverage, optimize capacity, mitigate interference, and offer ultra-fast speed – up to data rates of 867 Mbps on 5 GHz and 400 Mbps on 2.4 GHz.

With an IP67-rated weatherproof enclosure, the CX200 is an ideal solution for harsh environmental conditions. Its compact form factor and low-profile housing design allows the device to blend into any surrounding easily.



### Flexible Antenna Options

The CX200 provides flexible antenna options with its external RF connectors. The included Omni-directional antennas deliver powerful 360° coverage, whereas optional high gain sectorized antennas can be used for extend directional coverage.

### Super Dual-Band Coverage

Max. LOS Access	300 m (2.4 GHz) 200 m (5 GHz)
Max. Data Rate	400 + 867 Mbps

#### As an integral part of the Altai Super WiFi solution, the CX200 has the following key benefits:

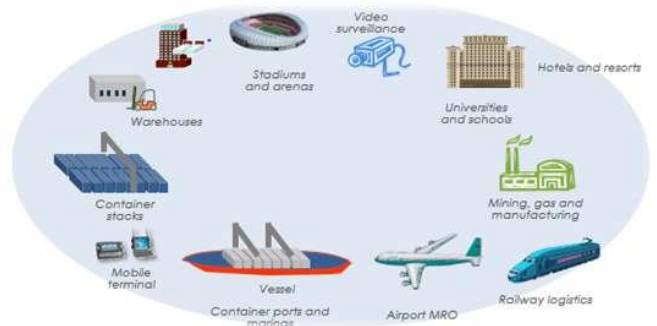
**Powerful Performance** MU-MIMO significantly improves multi-client capacity, and dual-radios deliver data rates up to 867 Mbps on 5 GHz and 400 Mbps on 2.4 GHz

**AirFi Optimization** Altai's AirFi technology enhances client's throughput based on their signal strength and data

**Hardened for Adverse Environments** IP67-rated waterproof and dustproof housing withstands harsh environment

### Ease of Deployment

Whether a Wi-Fi network has several or hundreds of CX200 APs, it can be easily managed through the AltaiGate WLAN controller, or virtual and cloud management options with the AltaiCare.



### Use Cases

- Combined with AltaiCare, the CX200 delivers a cost-effective outdoor Wi-Fi hotspot solution with a powerful advertisement engine and extensive login options such as free access, email registration, pay-to-access, and social media logins
- Due to its excellent price/performance ratio, the CX200 is ideally suited for medium to high-density locations like airports, container ports, convention centers, plazas, malls, warehouses, and stadiums
- For city-wide wireless infrastructure, the CX200 complements the A8n (ac) Super WiFi Base Station and AX500 Smart APs for key applications such as wireless broadband services, Smart Cities, and IoT

**Compact Form Factor** Compact and low-profile housing design allows the CX200 to blend into any surrounding

**Versatile Antenna Options** Use the included Omni antennas, or optional high gain Omni or sectorized antennas for extended coverage

**Flexible Management** Standalone, controller-based management with AltaiGate, or cloud-based management with AltaiCare

## Wireless Interfaces

### 802.11b/g/n (2x2:2) Radio

- Operating Mode Access Point/CPE/Repeater
- Standard IEEE 802.11b/g/n
- Operating Frequency 2.400 – 2.835 GHz (Ch 1-13)
- EIRP 100mW
- Receiver Sensitivity (Typical)
 

802.11b	11 Mbps	-84 dBm;	1 Mbps	-92 dBm
802.11g	54 Mbps	-72 dBm;	6 Mbps	-89 dBm
802.11n	HT20	-87 dBm;	HT40	-84dBm

### 802.11a/n/ac Wave 2 (2x2:2) Radio

- Operating Mode Access Point/CPE/Bridge/ Repeater
- Standard IEEE 802.11a/n/ac
- MU-MIMO Up to 2 Streams
- Operating Frequency 5.150 – 5.250 GHz  
5.250 – 5.350 GHz  
5.470 – 5.725 GHz  
5.725 – 5.850 GHz
- EIRP 1000mW
- Receiver Sensitivity (Typical)
 

802.11a	54 Mbps	-71 dBm;	6 Mbps	-89 dBm
802.11n	HT20	-89 dBm;	HT40	-86 dBm
802.11ac	VHT20	-89 dBm;	VHT40	-85 dBm;
	VHT80	-83 dBm		

### For both 2.4 and 5 GHz

- 32 SSID (16 SSID per Radio)
- WMM, 802.11h, 802.11k, 802.11r, 802.11v, 802.11w
- Passpoint (Release 2)
- Fast Roaming
- Band Steering/Multi-AP Steering\*
- Smart Load Balancing
- Dual-Radio 1+1 Redundancy\*
- Smart Mesh Networking\*
- Auto Channel Selection and TX Power Control
- Bandwidth Control Per SSID/Client
- Altai AirFi™ Throughput Optimization

## Antenna

### 2.4 GHz Antenna

- Antenna Connector 2 x RP-SMA Female
- External Antenna 5 dBi Omni

### 5 GHz Antenna

- Antenna Connector 2 x RP-SMA Female
- External Antenna 5 dBi Omni

## Networking

- Switch (Bridge) and Gateway Mode
- IPv4/IPv6 Dual-Stack
- NAT
- DHCP Client/Server
- PPPoE Client
- Soft-GRE
- VLAN
- Multicast Rate Filter/IGMP Snooping

## Security

- Authentication – Open, Shared key, WPA/WPA-PSK, WPA2/WPA2-PSK, WPA3\*, 802.1x (EAP-PEAP/TLS/TTLS/SIM/AKA)
- Encryption – WEP, TKIP, AES
- Inter/Intra-SSID Client Isolation
- MAC-based Access Control (White/Black List)
- RADIUS/Active directory
- Dynamic VLAN Assignment
- Firewall
- WIDS/WIPS
- Broadcast/Multicast/Unicast Flooding Control

## Management

- Management Platforms: AltaiGate, AltaiCare, AtlaiCare Appliance
- Web User Interface
- Command Line Interface (SSH)
- Remote Factory Reset
- Trusted Management IP List
- SNMP v1/v2c/v3
- MIB2/IF-MIB/Altai Enterprise MIB
- Syslog
- Spectral Analysis\*
- KPI Monitoring\*
- Client OS and Hostname Detection

## Physical Specifications

- Dimension 174 x 112 x 31 mm
- Weight 0.3 kg (Without Mounting Kit)
- Mounting Pole/Wall-Mounted
- Network Interface 1 x 10/100/1000 Mbps Ethernet Port

## Environmental Specifications

- Operating Temperature -20 °C to +60 °C
- Storage Temperature -40 °C to +80 °C
- Humidity Up to 90 % (Non-Condensing)
- Wind Loading Up to 200 km/h (124 mph)

## Power Supply

- Power Supply 802.3af PoE PD or 54 VDC Passive PoE PD
- Power Consumption 11.7 W (Max.)
- Weatherproof IP67 Compliant
- Wind Loading Up to 200 km/h (124 mph)

## Certifications

- FCC/ CE/Others\*
- RoHS Compliance

### Product Ordering Information

#### CX200 (Part No.: SD.CX200-2231-000)

- CX200 Outdoor 2x2 802.11ac Wave 2 Wi-Fi AP
- Mounting Accessories
- 2 x 2.4 GHz 5 dBi Omni Antennas
- 2 x 5 GHz 5 dBi Omni Antennas

#### Optional Accessory

- 54 VDC Passive PoE Injector

#### Contact Us

- Email: sales@altaitechnologies.com

CX200-PB200410

\*Will be available in the future.  
The coverage range will vary depending on NLOS and interference conditions  
The transmit power may vary according to country regulation