

The Altai C260-Sn is an affordable Wi-Fi 6 access point that delivers excellent performance and reliable wireless connectivity. Equipped with a compact and efficient antenna design inherited from the highly acclaimed C1nL model, the C260-Sn takes it a step further by minimizing its size. This innovative design ensures extensive coverage and a robust wireless experience in a wide range of environments. With its affordable price point, the C260-Sn offers an unbeatable high-performance price ratio, making it the ideal choice for those seeking exceptional performance without compromising on size or budget.



Features and Benefits



Enhanced Capacity with Wi-Fi 6 Support

Harnesses Wi-Fi 6 features such as OFDMA and bi-directional multi-user MIMO to significantly increase capacity on both 2.4 GHz and 5 GHz radios, ensuring superior performance.

Total Data Rate	1.148 Gbps (2.4 GHz: 574 Mbps + 5 GHz: 574 Mbps)
Max. Concurrent Users	256 (128 for both radios)*



Compact Antenna Design

Maximizes antenna gain for both 2.4GHz and 5GHz radios while maintaining the smallest form factor, delivering optimal RF performance without compromise.



Power over Ethernet (PoE) Support

With 802.3af standard PoE, the C260-Sn can be easily powered up by any PoE/PoE+ switches without the need for additional adapters.



Secure Wireless Protection

Supports WPA3 for secure Wi-Fi access, offering advanced encryption protocols to safeguard data transmission.



Ease of Deployment

Easily managed through the Insights cloud platform, enabling quick and efficient network rollout regardless of the network size.

** The actual number of concurrent users, distance and performance vary depending on site conditions, device configurations and client capabilities.*

Altai C260-Sn Outdoor Dual-Band Wi-Fi 6 Access Point

Unrivalled Cost-Performance with Integrated Antenna in the Class



Wireless Interfaces

2.4 GHz (2x2:2) Radio

- Operating Mode AP/STA(CPE)/Repeater
- Standard IEEE 802.11b/g/n/ax
- Maximum Data Rate 574 Mbps
- Operating Frequency † 2.400 – 2.484 GHz (Ch 1-13)
- Channel Bandwidth 20/40 MHz
- Transmit Power † 11 dBm (Max.), 8 dBm (Per Chain)
- Modulation CCK, BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM
- Receiver Sensitivity (Typical, per chain)

802.11b	1 Mbps	-96 dBm;	11 Mbps	-87 dBm
802.11g	6 Mbps	-93 dBm;	54 Mbps	-75 dBm
802.11n	HT20, MCS0	-92 dBm;	HT20, MCS7	-73 dBm
	HT40, MCS0	-89 dBm;	HT40, MCS7	-70 dBm
802.11ax	HE20, MCS0	-92 dBm;	HE20, MCS11	-64 dBm
	HE40, MCS0	-89 dBm;	HE40, MCS11	-61 dBm

5 GHz (2x2:2) Radio

- Operating Mode AP/STA(CPE)/Repeater
- Standard IEEE 802.11a/n/ac/ax
- Maximum Data Rate 574 Mbps
- Operating Frequency † 5.150 – 5.250 GHz (Ch 36-48)
5.250 – 5.350 GHz (Ch 52-64)
- Channel Bandwidth 20/40 MHz
- Transmit Power † 11 dBm (Max.), 8 dBm (Per Chain)
- Modulation BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM
- Receiver Sensitivity (Typical, per chain)

802.11a	6 Mbps	-92 dBm;	54 Mbps	-74 dBm
802.11n	HT20, MCS0	-90 dBm;	HT20, MCS7	-73 dBm
	HT40, MCS0	-87 dBm;	HT40, MCS7	-70 dBm
802.11ac	VHT20, MCS0	-91 dBm;	VHT20, MCS8	-67 dBm
	VHT40, MCS0	-88 dBm;	VHT40, MCS9	-63 dBm
802.11ax	HE20, MCS0	-91 dBm;	HE20, MCS11	-62 dBm
	HE40, MCS0	-89 dBm;	HE40, MCS11	-59 dBm

For both 2.4 GHz and 5 GHz Radios

- 16 SSID (8 SSID per Radio)
- Hidden SSID in Beacons
- Auto WDS Adaptation (Single SSID for WDS Links and End Clients)
- Client Association Control per SSID by SNR and Data Rate
- Bandwidth Control Per SSID/Client
- Auto Channel Selection with User-Defined Channel Pooling
- Dynamic Frequency Selection (DFS) in 5 GHz Spectrum
- Band Steering
- Fast Roaming (802.11r) for AP Mode
- IGMP Snooping and Multicast-to-Unicast Conversion
- Frame Aggregation: A-MPDU, A-MSDU
- RTS/CTS Protection
- AP Lock for STA Association

Antennas

2.4 GHz Antenna

- Built-in Antenna 8 dBi Sector
- Polarization 2x2 MIMO ±45° Polarized
- Horizontal Beamwidth 70° (-3 dB)
- Vertical Beamwidth 25° (-3 dB)
- VSWR 2 (Max.)
- Front-to-Back Ratio ≥ 20 dB

5 GHz Antenna

- Built-in Antenna 12 dBi Sector
- Polarization 2x2 MIMO ±45° Polarized
- Horizontal Beamwidth 50° (-3 dB)
- Vertical Beamwidth 13° (-3 dB)
- VSWR 2 (Max.)
- Front-to-Back Ratio ≥ 20 dB

Networking

- Switch/Gateway Mode
- Spanning Tree Protocol (IEEE 802.1D)
- VLAN (Trunk/Access) per SSID
- DHCP Client/Server, DHCP Option 43, 60
- NAT
- Port Forwarding
- #PPPoE Client

Security

- Authentication – Open, Shared key, WPA/WPA2/WPA3 (Personal/Enterprise), 802.1X (EAP-PEAP/TLS/TLS/SIM/AKA)
- Encryption – WEP, TKIP, AES
- Management Frame Protection (IEEE 802.11w)
- Inter/Intra-SSID Client Isolation
- MAC-based Access Control (White/Black List)
- RADIUS
- External Captive Portal
- Trusted IP Management Access
- Wireless Access Traffic Right

Management

- Zero-Touch Provisioning via Broadcast Discovery and DHCP Option 43
- Management Mode: Fat AP (Standalone), Thin AP
- Local Management:
 - Web User Interface (HTTP/HTTPS)
 - Command Line Interface (SSH)
 - Secondary IP Address
- Remote Management:
 - Insights
 - AltaiCare Private Cloud
 - AltaiCare On-Premises
 - AltaiGate
 - SNMP v1/v2c/v3
 - MIB2/IF-MIB/Altai Enterprise MIB

Will be available in the future.

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Unrivalled Cost-Performance with Integrated Antenna in the Class



- Syslog
- Backhaul Connectivity Health Check and Safe Mode Access
- Ping Watchdog
- Diagnostic Tools: Channel Scanner, Packet Capture, Ping, Traceroute

Physical Specifications

- Dimension 250 x 130 x 52 mm
- Weight 0.68 kg (Without Mounting Kit)
- Mounting Pole or Wall-mounted
- Network Interface 1 x 10/100/1000Mbps RJ-45 Port (PoE In)
1 x 10/100/1000Mbps RJ-45 Port
- Indicator 1 x Power Status
2 x Ethernet Interface Status
2 x Radio Interface Status
3 x Received Signal Strength
- Reset Button Onboard

Power

- Power Supply 802.3af PoE PD, or
Passive 48 – 56 V PoE PD, or
12 V DC Connector Type A: Ø5.5 x Ø2.1
x 10 mm
- Power Consumption 15 W (Max.)

Environmental Specifications

- Operating Temperature 0 °C to +40 °C (Ambient)
- Storage Temperature -40 °C to +70 °C
- Humidity 5% – 95% (Non-Condensing)

Certifications

- FCC/CE/Others
- RoHS Compliance

Warranty

- 1-Year Limited Hardware Warranty

Product Ordering Information

Standard Package

Part No.: SD.C260-Sn-3242-001	• C260-Sn Outdoor Dual-band 2x2 Wi-Fi 6 Access Point with integrated sector antenna (Model No.: C260-Sn) • Standard wall/pole mounting Kit
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Optional Accessories

Part No.: SD.PE-0001-EP	• Indoor 54 VDC 1 gigabit passive PoE injector
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Contact Us

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The information contained herein is subject to change without prior notice.