

OA-200

Wireless 802.11a+g Dual-Band Outdoor AP Speed up to 108Mbps



SparkLAN OA-200 wireless 11a+g Dual-Band Outdoor Access Point allows simultaneous data transmission to all 802.11a, 802.11b, and 802.11g-equipped wireless products, such as notebook, desktop, Access Point, and hotspot. OA-200 outdoor AP supports WDS, which offers multi-operating modes in AP, Point-to-point Bridge, Point-to-multipoint Bridge, Repeater, and AP client, that can address users' requirements for most of outdoor applications and gain flexibility beyond a sole outdoor AP. As a result, OA-200 outdoor AP is suitable for separate buildings, campus, residential area, MRT, Café, shopping mall, enterprise, airport, and community, which extends the coverage range and overcomes geographical limitations. Ideal for harsh environment, the OA-200 outdoor AP offers robust waterproof and weatherproof case that can protect itself against rain and wind vibration, lightning, and blizzard. The built-in IEEE 802.af compliant PoE module can supply power with a single LAN cable and reduces setup expenses and increases location options to provide power to the unit. To ensure your added security and privacy, OA-200 has integrated 64/128/152bit WEP&WPA encryption, 802.1x/EAP authentication, Layer 2 isolation, MAC address filtering, and hidden SSID. With several N-type connector antennas available at SparkLAN, you can choose 8, 14, 18, or 24dBi outdoor antennas at your own choice.

PRODUCT HIGHLIGHTS

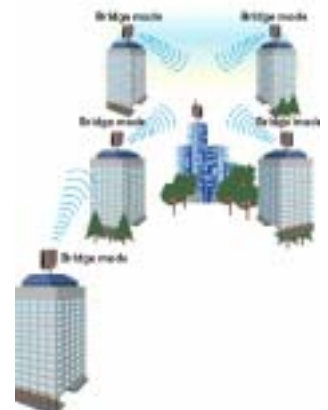
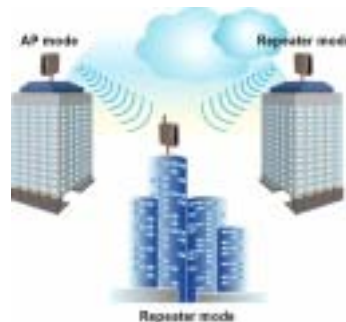
- Supports all 802.11a, 802.11b and 802.11g dual band networks simultaneously
- High-speed data transmission with up to 108Mbps
- IP56 waterproof certified
- Multi operating modes: AP, P2P & P2MP Bridge, Repeater, and AP client
- Support QoS, 802.1p, 802.1q
- Strong wall-mounted kit
- Completely and weatherproof case against rain, wind vibration, lightning, and blizzard
- Built-in PoE module can supply power

FEATURES & BENEFITS

- Web-based management and remote control
- Backup/Restore settings
- Remote firmware upgrade
- Function under extreme weather conditions
- Support Atheros XR™ (eXtended Range) technology

ADVANCED SECURITY

- Support WEP encryption (64,128, 152 bits)
- Support 802.1x / EAP authentication
- Support Wi-Fi Protected Access (WPA) with AES, TKIP
- Layer 2 Isolation for preventing snooping on WLAN
- MAC address control for preventing illegal attacking
- Hidden SSID for blocking illegal access



SPECIFICATIONS

INTERFACE

Ethernet LAN	One 10/100Base-T RJ45 Power-over-Ethernet port
LED Indicators	LED*4 – power, 802.11a link/act, 802.11g link/act, LAN

Antenna	2*N-type Antenna connectors Optional outdoor antenna: SparkLAN AD-108K 802.11g 8dBi Omni-Directional antenna kit SparkLAN AX-114K 802.11g 14dBi Patch-Type antenna kit SparkLAN AX-118K 802.11g 18dBi Directional Yagi antenna kit SparkLAN AX-124K 802.11g 24dBi Directional Parabolic antenna kit SparkLAN AX-200 802.11a 13.5dBi Directional sector antenna kit SparkLAN AX-201 802.11a 18dBi Directional panel antenna kit SparkLAN AX-202 802.11a 23dBi Directional panel antenna kit
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RADIO CHARACTERISTICS

Standard	IEEE 802.11a 802.11b and 802.11g for WLAN
Frequency Bands	802.11a: US:UNI-Band 5.15~5.35GHz EU:UNI-Band 5.15~5.35GHz UNI-Band 5.47~5.725GHz 802.11b/g : ISM-Band 2.412~ 2.4835GHz
Modulation Tech	802.11g: OFDM 802.11b: CCK,DQPSK, DBPSK
Media Access Protocol	CSMA/CA with ACK
Transmit Power	802.11a: Max 16dBm@16QAM R3/4 802.11g: Typ. 16dBm@Normal Temp Range 802.11b: Typ. 18dBm@Normal Temp Range
Receive Sensitivity	802.11a/g: 108Mbps 10-5BER @ -69dBm
Data Rates	802.11g & 802.11a: 108, 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11b: 11, 5.5, 2, 1Mbps

SOFTWARE FEATURES

Protocol Support	TCP/IP, IPX, NetBEUI
Management	Built-in HTTP Server for setup and remote management via any browser
Security	<ul style="list-style-type: none"> - Support WEP encryption (64,128, 152 bits) - Support 802.1x / EAP authentication - Support Wi-Fi Protected Access (WPA) with AES, TKIP - Layer 2 Isolation for preventing snooping on WLAN - MAC address control for preventing illegal attacking - Hidden SSID for blocking illegal access
Multi operating modes	AP, AP Client, Repeater, P2P & P2MP Bridge
QoS	Support TOS, 802.1p, 802.1q

ENVIRONMENTAL SPECIFICATIONS

Dimension	156x55x175mm(LxWxH)
Temperature	-35°C to 60°C(Operating), -40°C to 70°C(storing)
Humidity	95% Non-condensing

POWER SUPPLY

Power over Ethernet	IEEE 802.3af compliant
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CERTIFICATION

FCC class B; CE Mark

WARRANTY

1 Year

PACKAGE CONTENTS

■ OA-200 Wireless Outdoor AP	■ One CD-ROM with User Guide
■ One Quick Installation Guide	■ One set Mounting Kit wit Screw bag
■ One PoE Host with power cord	

Related Products



**AD-108k 8dBi
Omni-Directional Antenna**



**AX-114k 14dBi
Patch Antenna**



**AX-118K 18dBi
Yagi Antenna**



**AX-124k 24dBi
Directional Parabolic Antenna**