

## 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

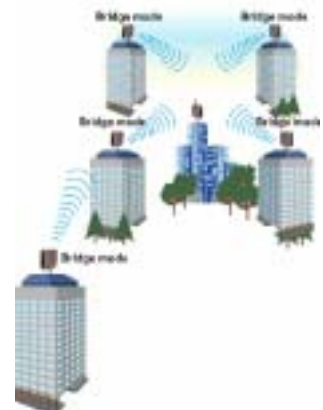
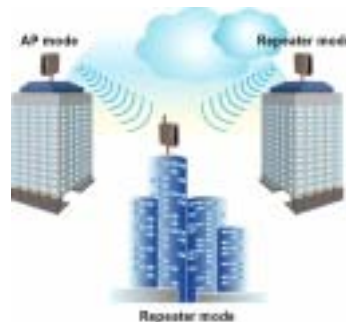
- Supports all 802.11a, 802.11b and 802.11g dual band networks simultaneously
- High-speed data transmission with up to 108Mbps
- IP56 waterproof certified
- Multi operating modes: AP, P2P & P2MP Bridge, Repeater, and AP client
- Support QoS, 802.1p, 802.1q
- Strong wall-mounted kit
- Completely and 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	
<b>Ethernet LAN</b>	One 10/100Base-T RJ45 Power-over-Ethernet port
<b>LED Indicators</b>	LED*4 – power, 802.11a link/act, 802.11g link/act, LAN
<b>Antenna</b>	2*N-type Antenna connectors
	<b>Optional outdoor antenna:</b> 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
RADIO CHARACTERISTICS	
<b>Standard</b>	IEEE 802.11a 802.11b and 802.11g for WLAN
<b>Frequency Bands</b>	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
<b>Modulation Tech</b>	802.11g: OFDM 802.11b: CCK,DQPSK, DBPSK
<b>Media Access Protocol</b>	CSMA/CA with ACK
<b>Transmit Power</b>	802.11a: Max 16dBm@16QAM R3/4
	802.11g: Typ. 16dBm@Normal Temp Range
	802.11b: Typ. 18dBm@Normal Temp Range
<b>Receive Sensitivity</b>	802.11a/g: 108Mbps 10-5BER @ -69dBm
<b>Data Rates</b>	802.11g & 802.11a: 108, 54, 48, 36, 24, 18, 12, 9, 6 Mbps
	802.11b: 11, 5.5, 2, 1Mbps
SOFTWARE FEATURES	
<b>Protocol Support</b>	TCP/IP, IPX, NetBEUI
<b>Management</b>	Built-in HTTP Server for setup and remote management via any browser
<b>Security</b>	- 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	
<b>Multi operating modes</b>	AP, AP Client, Repeater, P2P & P2MP Bridge
<b>QoS</b>	Support TOS, 802.1p, 802.1q
ENVIRONMENTAL SPECIFICATIONS	
<b>Dimension</b>	156x55x175mm(LxWxH)
<b>Temperature</b>	-35°C to 60°C(Operating), -40°C to 70°C(storing)
<b>Humidity</b>	95% Non-condensing
POWER SUPPLY	
<b>Power over Ethernet</b>	IEEE 802.3af compliant
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**