

# AP-500 Dual Band Outdoor Access Point

Campus-Wide Wi-Fi Solution for Outdoor  
Long-Range Wireless Communication



## FEATURE

- **Wireless Interface**  
Provide the Ethernet to Wireless LAN Bridge, or the Ethernet to Wireless LAN Access Point, based on IEEE 802.11 a/b/g/n Ethernet interface
- Atheros AP94 dual concurrent 2x2 MIMO 5GHz & 2.4GHz Radios Platform
- **Network**  
Support 10/100 Base T Ethernet interface and Built-in 2x2 MIMO 5GHz High-gain Antenna
- **Operating Mode**  
Access Point, Wireless Bridge, Repeater, and Client Bridge
- **Management**  
Using the TFTP/HTTP or Web UI to upgrade the firmware.
- **Outdoor Application**  
weatherproof outdoor environment comply with IP67 and built-in Lightning Protection Circuits

## DESCRIPTION

Handlink AP-500 Dual Band Outdoor Access Point is designed for outdoor long-range wireless communication up to 35km. Based on the IEEE 802.11 a/b/g/n standards operating on 2.4GHz or 5GHz frequency. The AP-500 covers a wide operating distance to provide a maximum wireless signal rate up to 270Mbps (HT40) speed. Its dual band features allows you to operate at any wireless frequency you desire.

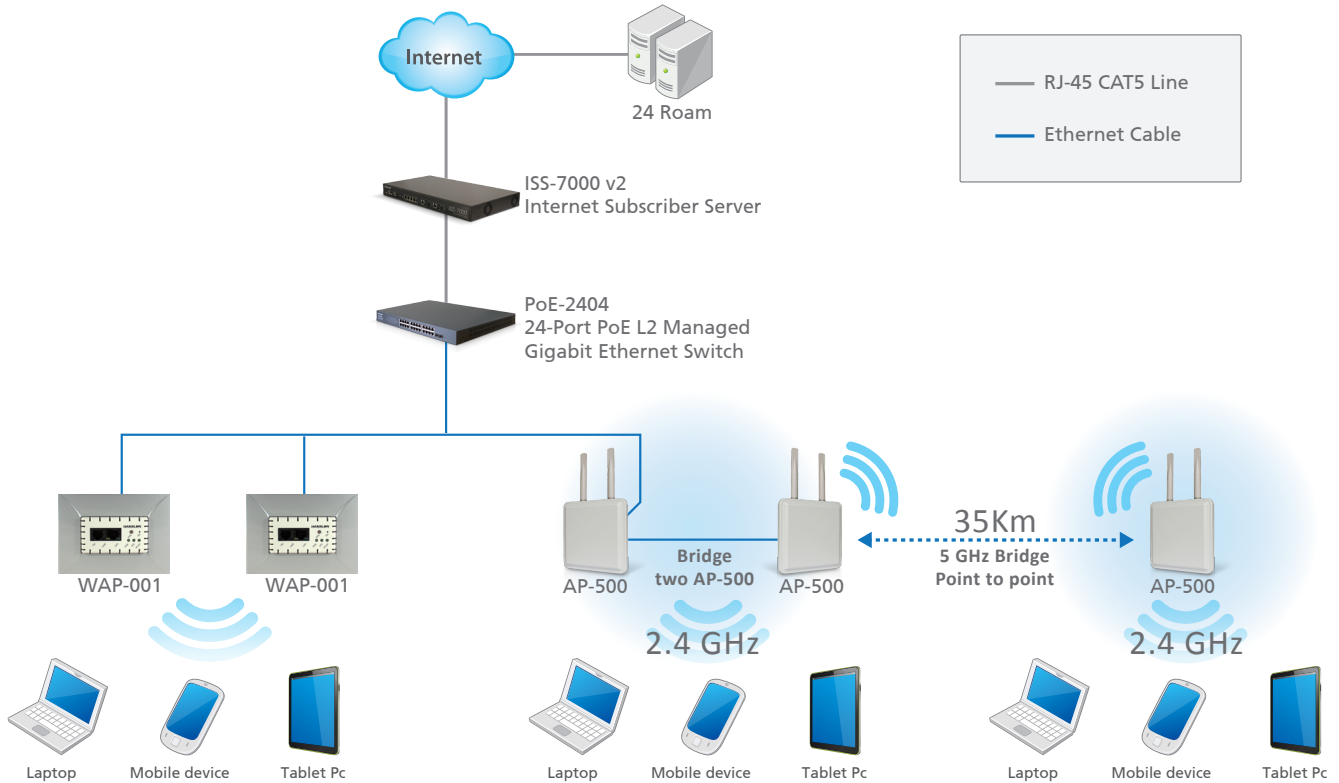
The AP-500 is capable of operating at any of four modes: Access Point, Wireless Bridge, Repeater, or Client Bridge. Deployed individually, or as a system combined with indoor access point, it can be extended into those hard-to-reach spaces. This application is ideal for hotels and resorts covering pool areas, for schools and stadiums covering sports facilities, and for general enterprises covering shipping docks and open space areas where Ethernet cabling is impossible to access.

With built-in 2x2 MIMO 5GHz high-gain antenna, the AP-500 point-to-point/ multipoint/ bridge is perfect for variety of carrier applications such as offering Wi-Fi video surveillance service. The AP-500 is also perfect for enterprises looking for extending broadband connection to remote buildings where fixed line broadband connections aren't feasible and spending efficiency.

Our AP-500 product is supplied with the Power over Ethernet (PoE) feature, which allows power and data transmitted over a single network cable. This capability provides a simple, convenient installation.

# AP-500 | Dual Band Outdoor Access Point | Datasheet

## APPLICATION



## SPECIFICATION

SOFTWARE		HARDWARE	
Wireless Interface	<b>802.11 bgn (2x2) Radio</b> Operation Mode: Access Point Standard: IEEE 802.11 bgn Operating Frequency: 2.412-2.4835 GHz Transmit Power: 26 dBm (max.) Receive Sensitivity(Typical) 802.11 b: 11Mbps, -88dBm ; 1Mbps, -95dBm 802.11 g: 54Mbps, -78dBm ; 6Mbps, -92dBm 802.11 n: HT20, -92dBm ; HT40, -88dBm Connect up to 2 Antennas (External) Automatic Channel Assignment <b>802.11an (2x2) Radio</b> Operation Mode: Point to Point Bridging, Point to Multi-point, Bridging(Up to 4 peers) Standard: IEEE 802.11 an Operating Frequency: 5.47-5.725 GHz,5.725-5.825 GHz Transmit Power: 23 dBm (max.) Receive Sensitivity(Typical) 802.11 a: 54Mbps, -78dBm ; 6Mbps, -92dBm 802.11 n: HT20, -92dBm ; HT40, -88dBm Antenna Built-in: 5GHz 16 dBi Flat Panel (Dual Polarization)	Network Management VLAN SNMP Wi-Fi QoS	Security <b>802.11 b/g</b> Authentication: Open system, Shared key, WPA/WPA-PSK, WPA2/WPA2-PSK, 802.11x (PEAP, TLS, TTLS) Encryption: WEP, TKIP, AES MAC based Access Control SSID Suppression
	Management	Web-based Administration Tool Remote Firmware Upgrade(HTTP/TFTP) SNMP	Power Supply Power Source: PoE Injector (48V) Power consumption: 16W(Typical) 25W(Max.)
Network	8 Multiple SSID/Virtual AP VLAN DHCP Client VPN Pass-through Switch and Gateway Mode 10/100 Mbps Ethernet Port Backhaul link integrity/resilience RSTP	Physical Specification Dimension: 220mm x 220mm x 60mm Weight: < 2kg (Unit Weight) 8kg (Gross Weight for 2 unit in a pack) Mounting Pole or Wall Mounted	Environmental Specification Operating Temp. Ambient: -33°C ~ +55°C PoE Power Injector: 0°C ~ +60°C Storage Temperature: -40°C ~ +80°C Humidity: 5% ~ 95% (Non condensing) Lightning Protection: IEC 1000-4-2/ Instant Surge 4KV Wind Loading: 90 mph (Operational), 125 mph (Survival) Weather proof: IP-67 compliant
		Optional Antennas	Certification FCC/ CE



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