

AP-500AC

High Performance 802.11ac Access Point



Supports simultaneous 5GHz / 2.4GHz band operation

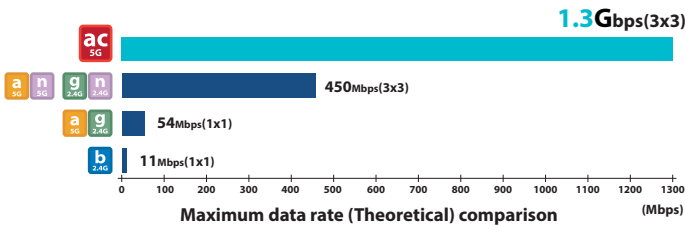
AP-500AC is a dual band 802.11ac wireless access point that delivers speeds of up to 1.3 Gbps targeted to support high-bandwidth activities such as video conferencing and cloud storage syncing. With speeds up to 4 times faster than 802.11n, it offers increased productivity for high density applications. AP-500AC can operate on both the 5GHz and 2.4GHz frequency bands simultaneously. This offers customers the flexibility to use both their 802.11ac and legacy devices simultaneously without any degradation in performance.

The access point also supports Silex's propriety device management software, the AMC Manager allowing network administrators to manage many Silex products from a Windows computer. It optimizes operation management of multiple wired and wireless devices installed at multiple locations, and helps to reduce support costs for trouble shooting networks and wireless devices.

Features:

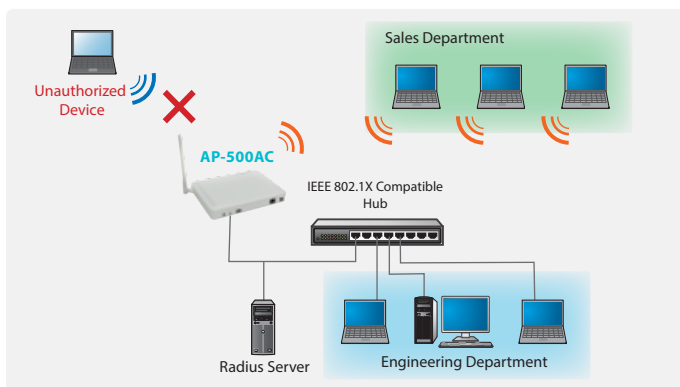
802.11ac High Speed Wireless LAN

Delivers next-generation 802.11ac wireless technology, at data rates up to 3x faster than 802.11n.



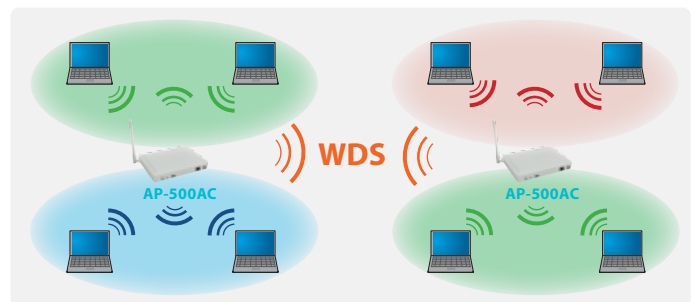
Enterprise Security Support

With IEEE 802.1X authentication, advanced security is available to protect and secure your wireless network with enterprise class security.



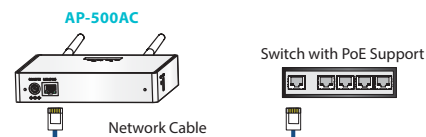
Wireless Distribution System (WDS)

It supports WDS that enables the wireless interconnection of access points in an IEEE 802.11 network. It allows a wireless network to be expanded using multiple access points without the need for a wired backbone to link them, as is traditionally required.



Power over Ethernet (PoE)

It supports Power over Ethernet (PoE) which is a feature defined by the IEEE 802.3af standard. It allows you to use one cable for both power and data transmission which reduces cost for running extra cables.

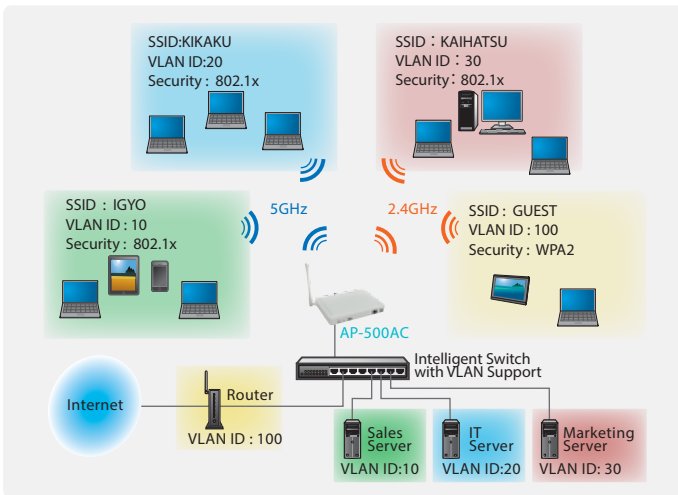


Multiple SSID Support

AP-500AC supports multiple SSID profiles that allows a single AP to virtually function as 4 AP's. 5GHz and 2.4 GHz bands both support 2 SSID's each. This can allow clients to connect with the AP-500AC with different security settings and profiles.

Virtual Local Area Network (VLAN) Support

AP-500AC supports IEEE802.11Q, which is the protocol used for configuring VLAN's. This enables users to create multiple virtual network groups by using it in combination of the multi-SSID support.



Client's Connection Status

Users can not only configure and check the AP status via the AP-500AC's web page, but they can also get the connection status of all the connected client devices.

Network Log Save Function

Network events generated by the AP are saved in an internal memory. It helps customers understand how the network and the AP-500AC behaves over time which can provide administrators valuable troubleshooting information. Improves operational efficiencies.



Specifications

Wired LAN

Interface	RJ-45 x 1Port
Standard	10/100/1000 BASE-T (Auto Select), PoE (802.3af-compliant)

Wireless LAN

Standard	IEEE802.11ac/a/b/g/n 3T x 3R (Theoretical value 1.3Gbps)
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Transmission Scheme	IEEE 802.11ac 5GHz (modulation scheme: OFDM) IEEE 802.11a 5GHz (modulation scheme: OFDM) IEEE 802.11b 2.4GHz (modulation scheme: DS-SS) IEEE 802.11g 2.4GHz (modulation scheme: OFDM) IEEE 802.11n (modulation scheme: OFDM) - MIMO (Multiple Input Multiple Output) - A-MPDU and A-MSDU of Aggregation functions - HT20 / HT40 mode (high-throughput mode)
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Authentication Method	Open, Shared, WPA-PSK, WPA2-PSK, WPA/WPA2-PSK(MIX Mode), 802.1X, WPA-Enterprise, WPA2-Enterprise, WPA/WPA2-Enterprise(MIX Mode)
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Channels	2.4GHz band: 1 ~ 13ch 5GHz band: W52 / W53 / W56 (W53 / W56 corresponding to DFS)
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Max. Connections	200 units
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Multi SSID	4 (5GHz: 2, 2.4GHz: 2), VLAN Tag supported
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Additional Security Features	Hidden SSID, Privacy separator, MAC address filter
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Repeater function (WDS)	Node Connections (4 Recommended) 5GHz / 2.4GHz individually operable
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Device interface

Standard	USB2.0 Hi-Speed (Type A) x 1 port
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Push Button	Factory Reset, Smart Wireless Setup
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Environmental Specifications

Storage	Storage temperature: -10 ~ +50°C, Storage humidity: 20% ~ 90%RH
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Operating	Operation temperature: 0 ~ +40°C, Operating humidity: 20% ~ 80%RH
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Other Specifications

Logging	syslog output function (USB storage) Operation log save function (built-in memory)
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Device Configuration	AMC Manager™, WEB Browser
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Power	9W (DC12V 0.75A)
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Dimensions	200mm x 145mm x 35mm
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Weight	405g
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EMC Standards	- VCCI Class-B - FCC Part15 SubPart B Class B - ICES-003 Class B - CE EN55022 Class B - CE EN301489-1/-17 - Rohs directive compliance
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Package Contents	Body, AC adapter, AC code, Setup Guide, Warranty card, GPL Contact sheet, Rubber feet (four)
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