silex technology

When it **Absolutely Must** Connect

AP-500AC
High Performance 802.11ac Access Point

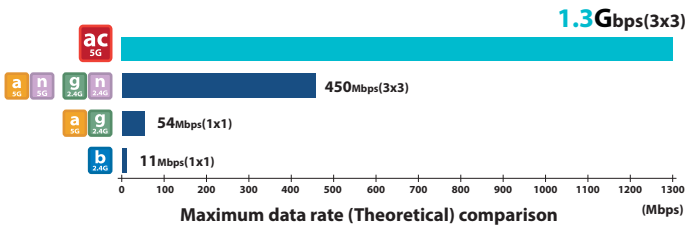## Supports simultaneous 5GHz / 2.4GHz band operation

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.
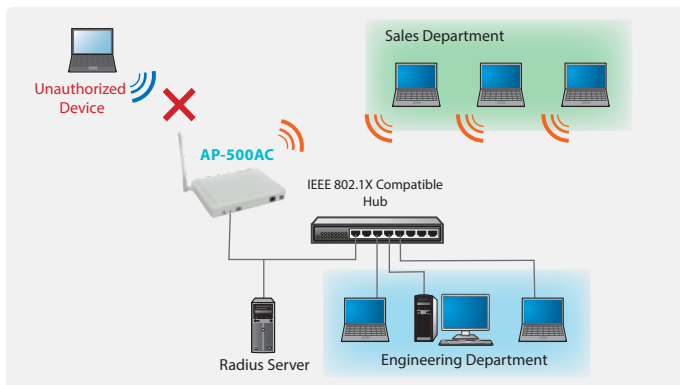
Features:

802.11ac High Speed Wireless LAN

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

1.3Gbps(3x3)

450 Mbps(3x3)

54Mbps(1x1)

11Mbps(1x1)

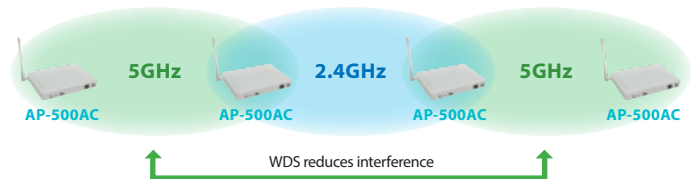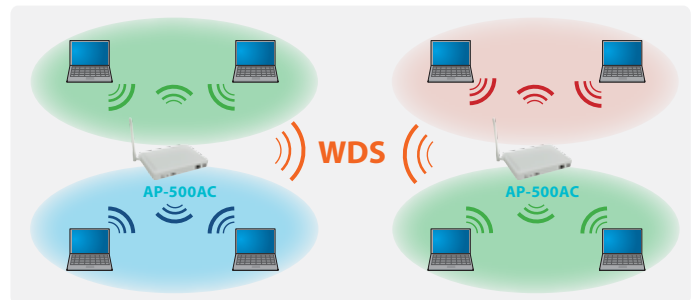**Maximum data rate (Theoretical) comparison** (Mbps)

Enterprise Security Support

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

Unauthorized Device

AP-500AC

IEEE 802.1X Compatible Hub

Sales Department
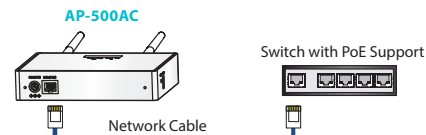
Radius Server

Engineering Department

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.

WDS

AP-500AC   AP-500AC

5GHz   2.4GHz   5GHz

AP-500AC   AP-500AC   AP-500AC   AP-500AC

WDS reduces interference

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.

AP-500AC

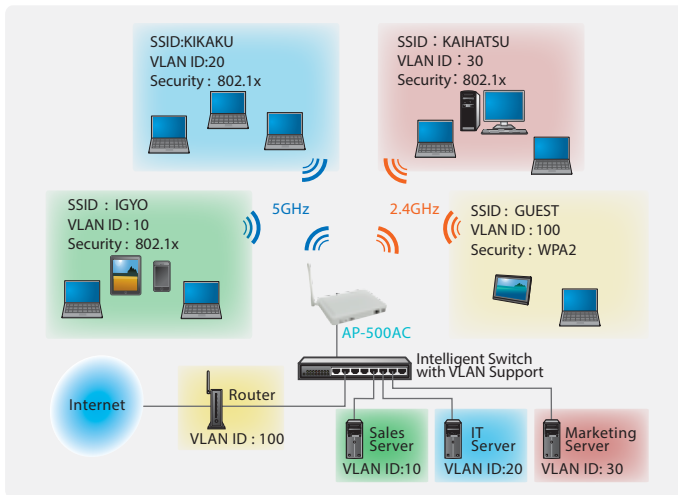Switch with PoE Support

Network Cable

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 combinition of the multi-SSID support.
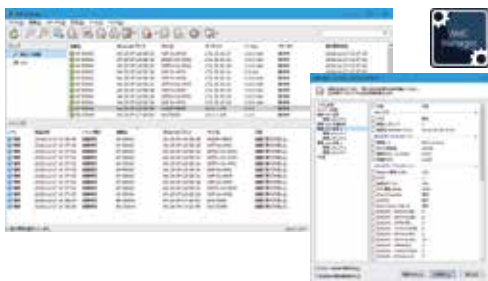

Client's Connection Status

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 trouble-shooting information. Improves operational efficiencies.

Specifications

Wired LAN	
Interface	RJ-45 × 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)
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)
Authentication Method	Open, Shared, WPA-PSK, WPA2-PSK, WPA/WPA2-PSK(MIX Mode), 802.1X, WPA-Enterprise, WPA2-Enterprise, WPA/WPA2-Enterprise(MIX Mode)
Channels	2.4GHz band: 1 ~ 13ch 5GHz band: W52 / W53 / W56 (W53 / W56 corresponding to DFS)
Max. Connections	200 units
Multi SSID	4 (5GHz: 2, 2.4GHz: I2), VLAN Tag supported
Additional Security Features	Hidden SSID, Privacy separator, MAC address filter
Repeater function (WDS)	Node Connections (4 Recommended) 5GHz / 2.4GHz individually operable

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

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

Other Specifications	
Logging	syslog output function (USB storage) Operation log save function (built-in memory)
Device Configuration	AMC Manager™, WEB Browser
Power	9W (DC12V 0.75A)
Dimensions	200mm × 145mm × 35mm
Weight	405g
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
Package Contents	Body, AC adapter, AC code, Setup Guide, Warranty card, GPL Contact sheet, Rubber feet (four)

silex global sales & support locations

US Office
silex technology america, Inc.
US toll free 657-218-5199
www.silextechnology.com
sales@silexamerica.com

Europe Office
silex technology europe, GmbH
+49-2154-88967-0
Germany toll free 0800-7453938
www.silextechnology.com
contact@silexeurope.com

India Office
silex technology india, Pvt. Ltd.,.
+91-44-43033234
www.silex-india.com
support@silex-india.com

Corporate Headquarters
silex technology, Inc.
+81-774-98-3781
www.silex.jp
support@silex.jp