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Refurbished CISCO WAP121-E-K9-G5 Datasheet

CISCO > WIRELESS

Cisco Small Business 100 Series Wireless Access Points

Specifications	
Specifications	
Standards	IEEE 802.11n, 802.11g, 802.11b, 802.3af, 802.3u, 802.1X (security authentication), 802.1Q (VLAN), 802.1D (Spanning Tree), 802.11i (WPA2 security), 802.11e (wireless QoS), IPv4 (RFC 791), IPv6 (RFC 2460)
Ports	LAN Fast Ethernet auto sensing, DC jack
Switch	Power button (on/off)
Buttons	Power (on/off) push button, Reset button
Cabling type	Category 5e or better
Antennas	Internal antennas optimized for wall, ceiling, or desktop placement
LEDs	Power, WLAN, LAN
Physical Interfaces	
Ports	10BASE-T/100BASE-TX Ethernet, 12V DC power with support for 802.3af PoE
Power supply	External 12V 0.5A DC power jack (Energy Star 2.0 compliant with Efficiency Level 5) and 802.3af PoE
Buttons	Power (on/off) push button; Reset button
Lock slot	Slot for Kensington lock
Physical Specifications	
Physical dimensions (W x D x H)	4.89 x 4.89 1.38 in. (124.17 x 124.17 x 35 mm)
PoE	
PoE	802.3af
Network Capabilities	
VLAN support	Yes
Number of VLANs	1 management VLAN plus 4 VLANs for Service Set ID (SSID)
Multiple SSIDs	4
802.1X supplicant	Yes
SSID to VLAN mapping	Yes
Auto channel selection	Yes
Spanning tree	Yes
Load balancing	Yes
IPv6	Yes IPv6 host support IPv6 RADIUS, syslog, Network Time Protocol (NTP), etc.
Security	
WPA/WPA2/WEP	Yes, including Enterprise authentication

Access control	Yes, management access control list (ACL) plus MAC ACL
Secure management	HTTPS
Wi-Fi Protected Setup (WPS)	Yes (soft WPS, no hardware push button)
SSID broadcast	Yes

Mounting and Physical Security

Multiple mounting options	Desktop installation; mounting bracket included for easy ceiling or wall mounting

Performance

Wireless throughput	Up to 300 Mbps data rate (real-world throughput will vary)

Multi-Access Point Management

Single Point Setup	Yes
Maximum access points per cluster	4

Management

Management protocols	Web browser, Simple Network Management Protocol (SNMP) v3, Bonjour
Remote management	Yes
Event logging	Local, remote syslog, email alerts
Network diagnostics	Logging and packet capture
Web firmware upgrade	Firmware upgradable through web browser, imported/exported configuration file
Dynamic Host Configuration Protocol (DHCP)	DHCP client

Wireless

Frequency	Single-band 2.4 GHz
Radio and modulation type	Single radio, orthogonal frequency division multiplexing (OFDM)
WLAN	802.11n
Operating channels	1 to 13 (depending on country) Channels 1 through 11 (FCC) Channels 1 through 13 (ETSI)
Wireless isolation	Wireless isolation between clients
External antennas	None
Internal antennas	Internal fixed PIFA antennas
Antenna gain in dBi	2 dBi each antenna
Transmitted output power	802.11b @ 11 Mbps: 17 dBm 802.11g @ 54 Mbps: 13 dBm 802.11n @ HT20HT40, MCS15: 13 dBm
Receiver sensitivity	802.11b: 11 Mbps @ −86 dBm 802.11g: 54 Mbps @ −71 dBm 802.11n: 300 Mbps @ −64 dBm
Wireless Distribution System (WDS)	Yes
Roaming	Yes
Multiple SSIDs	4
Wireless VLAN map	Yes
WLAN security	Yes

Environmental

Power	12V, 0.5A DC input, and IEEE802.3af compliant PoE
Certifications	FCC class B, CE, IC, Wi-Fi
Operating temperature	0° to 40°C (32° to 104°F)

Storage temperature	20° to 70°C (–4° to 158°F)
Operating humidity	10% to 85% noncondensing
Storage humidity	5% to 90% noncondensing

The next steps...

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