

Linksys Pro Series Wireless-AC Dual Band Access Point



AC1750 Pro Dual Band Access Point
(LAPAC1750PRO)

Key Features

- Next-generation Wi-Fi 802.11ac with dual band (2.4 GHz + 5 GHz) support and maximum data rate up to 1,750 Mbps
- Integrated Power over Ethernet Plus (PoE+)
- Gigabit Ethernet port speed
- WDS Bridge and Workgroup Bridge Support
- Captive Portal
- Cluster
- Advanced security and preventions (802.1X Supplicant, SSID to VLAN mapping, ACL, etc.)
- Client Quality of Service (QoS)
- IPv6 support

The Linksys Pro Series Wireless-AC Dual Band Access Point delivers comprehensive enterprise-grade software features and next-generation Wi-Fi 11AC technology for high-density performance and faster speed for your everyday business.

Next-Generation Wi-Fi Connectivity

The Linksys Pro Series Wireless-AC Dual Band Access Point supports the latest 802.11ac technology, a three-time performance increase from 802.11n. Enhancements such as wider 80 MHz channels provide greater data bandwidth while operating in the less-crowded 5 GHz band space. With this increase in

Wi-Fi freedom, wireless clients can experience faster speeds while maximizing their performance.

Single Point Control: Cluster

The Linksys Pro Series Wireless-AC Dual Band Access Point delivers Cluster System Management, which helps to reduce the costs and complexity of managing multiple wireless access points simultaneously. This Cluster feature simplifies administration and management efforts with a Single Point Control.

Captive Portal

The Linksys Pro Series Wireless-AC Dual Band Access Point implements a captive portal to support secure and customized guest Wi-Fi access. The captive portal is also used at many Wi-Fi hotspots to control wireless access in the area.

Flexible Deployment

The Linksys Pro Series Wireless-AC Dual Band Access Point can be deployed as a typical access point, a wireless distribution system (WDS), or a workgroup bridge to extend your wireless range coverage.

Easy to Use with PoE+

The Linksys Pro Series Wireless-AC Dual Band Access Point is integrated with 802.3at PoE+ capability to eliminate extra power adapters and offer optimal placement. It also provides an intuitive Web administrative interface, easy to set up and easy to use.

Advanced Security Over Wireless

The Linksys Pro Series Wireless-AC Dual Band Access Point protects and secures your wireless network with business class security features including Wi-Fi Protected Access (WPA/WPA2), 802.1X Supplicant Authentication, MAC and IP-Based ACL, Rogue AP Detection, SSID-to-VLAN Mapping, Wireless

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Hardware

Model	LAPAC1750PRO
Standards	IEEE 802.11a, 802.11b, 802.11g, 802.11n, and 802.11ac
Frequency	2.4 GHz and 5 GHz (concurrent)
MIMO	3 x 3
Internal Antenna	✓
RF Output Power	High Power PA
PoE	802.3at
Wall/Ceiling Mount	✓
Gigabit Ethernet	✓
Secondary Ethernet Port	✓
Security Lock	Kensington lock slot
LED	One system LED
AC Power Adapter	12V/2A
Hardware Reset Button	✓
Frequency Band and Operating Channels	FCC 2.412 to 2.462 GHz: channels 1-11 5.180 to 5.240 GHz: channels 36, 40, 44, 48 5.745 to 5.825 GHz: channels 149, 153, 157, 161, 165
Transmitted Power	2.4 GHz per chain output power 802.11b: 22 +/- 1.5 dBm @ Channel 6 (All rates), 18 +/- 1.5 dBm @ Channel 1 (Bandedge limit), 19 +/- 1.5 dBm @ Channel 11 (Bandedge limit) 802.11g: 22 +/- 1.5 dBm @ Channel 6 (Low rates), 21 +/- 1.5 dBm @ Channel 6 (High rates), 13 +/- 1.5 dBm @ Channel 1 (Bandedge limit), 13 +/- 1.5 dBm @ Channel 11 (Bandedge limit) 802.11n 20 MHz: 22 +/- 1.5 dBm @ Channel 6 (Low rates), 20 +/- 1.5 dBm @ Channel 6 (High rates), 13 +/- 1.5 dBm @ Channel 1 (Bandedge limit), 13 +/- 1.5 dBm @ Channel 11 (Bandedge limit) 802.11n 40 MHz: 13 +/- 1.5 dBm @ Channel 6 (All rates)(Bandedge limit), 9.5 +/- 1.5 dBm @ Channel 3 (Bandedge limit), 12 +/- 1.5 dBm @ Channel 9 (Bandedge limit) 5 GHz per chain output power UNII-1 (5150-5250 MHz) 802.11a: 9.5 +/- 1.5 dBm @ All rates 802.11n/ac 20 MHz: 9.5 +/- 1.5 dBm @ All rates 802.11n/ac 40 MHz: 11 +/- 1.5 dBm @ All rates 802.11ac 80 MHz: 11 +/- 1.5 dBm @ All rates UNII-3 and ISM (5725-5835 MHz) 802.11a: 21 +/- 1.5 dBm @ Low rates, 19 +/- 1.5 dBm @ High rates 802.11ac 20 MHz: 21 +/- 1.5 dBm @ Low rates, 17 +/- 1.5 dBm @ High rates 802.11ac 40 MHz: 21 +/- 1.5 dBm @ Low rates, 17 +/- 1.5 dBm @ High rates 802.11ac 80 MHz: 20 +/- 1.5 dBm @ Low rates, 17 +/- 1.5 dBm @ High rates
Receiver Sensitivity	2.4 GHz 802.11b: -87 dBm @ 11 Mbps, 802.11g: -77 dBm @ 54 Mbps, 802.11n 20 MHz: -70 dBm @ MCS23, 802.11n 40 MHz: -67 dBm @ MCS23 5 GHz 802.11a: -77 dBm @ 54 Mbps, 802.11ac 20 MHz: -61 dBm @ MCS9, 802.11ac 40 MHz: -58 dBm @ MCS9, 802.11ac 80 MHz: -56 dBm @ MCS9
Physical Dimension (L x W x H)	247.00 x 238.00 x 43.30 mm (9.72 x 9.37 x 1.70 in)
Weight	0.52 kg (1.15 lb)
Maximum Power Consumption	24W
Compliance	Class B, Wireless
Operating Temperature	0° to 35° C (32° to 95°F)
Storage Temperature	-20° to 70° C (-4° to 158°F)
Operating Humidity	10% to 85% (non-condensing)
Storage Humidity	10% to 90% (non-condensing)
Regulatory Certification	FCC, CE, IC
Warranty Period	Limited Lifetime

Software Specifications

Model	LAPAC1750PRO
Multiple SSIDs	16
VLAN Support	✓
Number of VLANs	17
SSID to VLAN Mapping	✓
Captive Portal	✓
Workgroup Bridge	✓
WDS Bridge	✓
IPv6	✓
Access Control per SSID	IPv4, IPv6, and MAC-based
DiffServ for QoS	✓
WEP, WPA, WPA2, 802.1X with RADIUS	✓
Rogue AP Detection	✓
802.1X Supplicant	✓
Channel Isolation	✓
WMM	✓
Single/Central Management System	With Cluster
Bandwidth Utilization	✓
Scheduler	✓
Band Steering	✓
Beamforming	✓
Dual Image Support	✓
Management Access Control	Mac and IP-based
Management Interface	Web (http/https), SNMP
Event Notification	Local Log, Remote Syslog, and Email Alerts
Network Diagnostics	Log, Ping, and Packet Capture