WiFi Routers │ Archer AX55 Pro   Overview   Specifications   Support   **BUY NOW**

WIRELESS

Standards	**Wi-Fi 6** • IEEE 802.11ax/ac/n/a 5 GHz • IEEE 802.11ax/n/b/g 2.4 GHz
WiFi Speeds	**AX3000** • 5 GHz: 2402 Mbps (802.11ax, HE160) • 2.4 GHz: 574 Mbps (802.11ax)
WiFi Range	**3 Bedroom Houses** • 4× Fixed High-Performance Antennas Multiple antennas form a signal-boosting array to cover more directions and large areas • Beamforming Concentrates wireless signal strength towards clients to expand WiFi range • High-Power FEM Improves transmission power to strengthen signal coverage
WiFi Capacity	**High** • Dual-Band Allocate devices to different bands for optimal performance • OFDMA Simultaneously communicates with multiple Wi-Fi 6 clients • Airtime Fairness Improves network efficiency by limiting excessive occupation • DFS Access an extra band to reduce congestion • 4 Streams Connect your devices to more bandwidth
Working Modes	• Router Mode • Access Point Mode

HARDWARE

Ethernet Ports	• 1× 2.5 Gigabit WAN/LAN Port • 1× Gigabit WAN/LAN Port • 3× Gigabit LAN Ports
USB Support	1× USB 3.0 Port Supported Partition Formats: NTFS, exFAT, HFS+, FAT32 Supported Functions: Apple Time Machine FTP Server Media Server Samba Server
Buttons	Wi-Fi/WPS Button Power On/Off Button Reset Button
Power	• 12 V/ 2 A (US Version) • 12 V/ 1.5 A (EU Version)

SECURITY

WiFi Encryption	• WPA3* • WPA2 • WPA • WPA/WPA2-Enterprise (802.1x)
Network Security	SPI Firewall Access Control IP & MAC Binding Application Layer Gateway **HomeShield Security** Real-Time IoT Protection Malicious Site Blocker Intrusion Prevention System DDoS Attack Prevention Home Network Scanner
Guest Network	• 1× 5 GHz Guest Network • 1× 2.4 GHz Guest Network
VPN Server	• OpenVPN • PPTP • L2TP

SECURITY

VPN Client	• OpenVPN • PPTP • L2TP

SOFTWARE

Protocols	• IPv4 • IPv6
Service Kits	HomeShield Learn More>
OneMesh™	OneMesh™ Supported Without replacing your existing devices or buying a whole new WiFi ecosystem, OneMesh™ helps you create a more flexible network that covers your entire home with TP-Link OneMesh™ products. Learn More> All OneMesh Products>
Parental Controls	**HomeShield Parental Controls** • Custom Profiles • Professional Content Filter Library • Family Time • Bedtime • Off Time • Time Rewards • Family Online Time Ranking • Pause the Internet • Weekly and Monthly Reports
WAN Types	• Dynamic IP • Static IP • PPPoE • PPTP • L2TP
Quality of Service	QoS by Device
Cloud Service	• Auto Firmware Upgrade • OTA Firmware Upgrade • TP-Link ID • DDNS
NAT Forwarding	• Port Forwarding • Port Triggering • DMZ • UPnP

SOFTWARE

IPTV	• IGMP Proxy • IGMP Snooping • Bridge • Tag VLAN
DHCP	• Address Reservation • DHCP Client List • Server
DDNS	• TP-Link • NO-IP • DynDNS
Management	• Tether App • Webpage [Check Web Emulator>](#)

OTHER

System Requirements	Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser Cable or DSL Modem (if needed) Subscription with an internet service provider (for internet access)
Certifications	FCC, CE, RoHS
Environment	Operating Temperature: 0℃~40℃ (32℉ ~104℉) Operating Humidity: 10%~90% non-condensing

TEST DATA

WiFi Transmission Power	• CE: <20dBm(2.4GHz) <23dBm (5.15GHz~5.25GHz & 5.25GHz~5.35GHz) <30dBm (5.47GHz~5.725GHz) • FCC: <30dBm (2.4GHz) <30dBm(5.15GHz~5.25GHz&5.725GHz~5.850GHz) <24dBm (5.25GHz~5.35GHz&5.47GHz~5.725GHz)
WiFi Reception Sensitivity	• 2.4 GHz: 11ac VHT20 MCS0:-97dBm, 11ac VHT20 MCS11: -74dBm, 11ac VHT40 MCS0: -93dBm, 11ac VHT40 MCS11: -70dBm, 11ax HE20 MCS0: -96dBm, 11ax HE20 MCS11: -66dBm, 11ax HE40 MCS0: -93dBm, 11ac HE40 MCS11: -63dBm • 5 GHz:

TEST DATA

	11ac VHT20 MCS0: -97dBm, 11ac VHT20 MCS11: -74dBm,
	11ac VHT40 MCS0: -93dBm, 11ac VHT40 MCS11: -69dBm,
	11ac VHT80 MCS0: -90dBm, 11ac VHT80 MCS11: -65dBm,
	11ax HE20 MCS0: -97dBm, 11ax HE20 MCS11: -66dBm,
	11ax HE40 MCS0: -94dBm, 11ax HE40 MCS11: -63dBm,
	11ax HE80 MCS0: -90dBm, 11ax HE80 MCS11: -61dBm,
	11ax HE160 MCS0: -87dBm, 11ax HE160 MCS11: -58dBm

PHYSICAL

Dimensions (W×D×H)	10.2 × 5.3 × 1.5 in (261.1 × 134.5 × 41.0 mm)
Package Contents	• Wi-Fi Router Archer AX55 Pro • Power Adapter • RJ45 Ethernet Cable • Quick Installation Guide

For additional version information, please go to the support page.

[†]Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, wireless coverage and number of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

[‡]Use of 802.11ax (Wi-Fi 6) and its features including OFDMA, HE160, and TWT requires clients to also support corresponding features. The 160 MHz bandwidth may be unavailable in the 5 GHz band in some regions/countries due to regulatory restrictions. The double channel width refers to 160 MHz compared to 80 MHz for general WiFi 6 routers. Actual power reduction by Target Wake Time may vary as a result of network conditions, client limitations, and environmental factors.

[§]The 802.11ax white paper defines standardized modifications to both the IEEE 802.11 physical layers (PHY) and the IEEE 802.11 Medium Access Control (MAC) layer as enabling at least one mode of operation capable of supporting improvement of at least four times the average throughput per station (measured at the MAC data service access point) in a dense deployment scenario.

^HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit https://www.tp-link.com/homeshield for more information

of WPA3 requires clients to support WPA3.

**This router may not support all the mandatory features as ratified in IEEE 802.11ax specification.

***Further software upgrade for feature availability may be required.

Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, Internet service provider factors and other environmental conditions.

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