Specifications	
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
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
VPN Client	• Open VPN Client
	• PPTP VPN Client
	• L2TP VPN Client
WiFi Encryption	WPA
	WPA2
	WPA3
	WPA/WPA2-Enterprise (802.1x)
HARDWARE	
Processor	Dual-Core CPU
Ethernet Ports	1× Gigabit WAN Port
	4× 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
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>

EasyMesh	Mesh networking creates smooth, fast, stable roaming. Archer AX55 can flexibly build an EasyMesh network with EasyMesh-Compatible devices, which eliminates Wi-Fi dead zones, expand your network, and fill your entire home with high-speed Wi-Fi. Seamless Wi-Fi connections with one network name, one-click setting and flexible scalability.
	Learn More>
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	Virtual Servers
	Port Forwarding
	Port Triggering
	DMZ
	UPnP
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°F ~104°F)
	Operating Humidity: 10%~90% non-condensing

TEST DATA

WiFi Transmission Power	CE:
	<20dBm(2.4GHz)
	<23dBm(5.15GHz~5.35GHz)
	<30dBm(5.47GHz~5.725GHz)
	FCC:
	<30dBm(2.4GHz & 5.15GHz~5.825GHz)
WiFi Reception Sensitivity	5GHz:
	11ac VHT20_MCS0:-96dBm, 11ac VHT20_MCS8:-75dBm
	11ac VHT40_MCS0:-94dBm, 11ac VHT40_MCS9:-70dBm
	11ac VHT80_MCS0:-91dBm, 11ac VHT80_MCS9:-67dBm
	11ac VHT160_MCS0:-88dBm, 11ac VHT160_MCS9:-63dBm
	11ax HE20_MCS0:-96dBm, 11ax HE20_MCS11:-66dBm
	11ax HE40_MCS0:-93dBm, 11ax HE40_MCS11:-63dBm
	11ax HE80_MCS0:-91dBm, 11ax HE80_MCS11:-61dBm
	11ax HE160_MCS0:-87dBm, 11ax HE160_MCS11:-58dBm
	2.4GHz:
	11ac VHT20_MCS0:-96dBm, 11ac VHT20_MCS8:-74dB
	11ac VHT40_MCS0:-94dBm, 11ac VHT40_MCS9:-70dB
	11ax HE20_MCS0:-96dBm, 11ax HE20_MCS11:-66dBm
	11ax HE40_MCS0:-93dBm, 11ax HE40_MCS11:-63dBm

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
	Power Adapter
	RJ45 Ethernet Cable
	Quick Installation Guide