ComX Computers
Product Specification Sheet

TP Archer AX55

TP-link Archer AX55 V2 AX3000 Dual Band Gigabit Wi-Fi 6 Router

Product Overview

TP-Link Archer AX55 V2 AX3000 Dual Band Gigabit Wi-Fi 6 Router, Wi-Fi 6, 2402 Mbps @ 5.8GHz, 574 Mbps @ 2.4GHz, 4x fixed High-Performance antennas, 1x Gigabit WAN Port, 4x Gigabit LAN Ports, 1x USB 3.0 Port











Specifications

Overview Summary:

Upgrade your home network with the TP-Link Archer AX55 V2, the ultimate Wi-Fi 6 solution designed for South African households demanding speed and reliability. This powerful AX3000 dual-band gigabit router delivers stunning download speeds up to 2402 Mbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band, ensuring seamless 8K streaming, lag-free gaming, and smooth video calls even when multiple devices are connected simultaneously.

Built with advanced features like OFDMA technology and Beamforming, the Archer AX55 expands your coverage to reach every corner of a three-bedroom home while maintaining ultra-low latency. It includes robust WPA3 security and TP-Link HomeShield for real-time threat protection, making it the perfect choice for families prioritizing online safety. Don't wait for slow internet; shop now to experience the next generation of connectivity.

Performance tier: High-end

Uses: Gaming, 4K and 8K streaming, smart home automation, file sharing via USB, VPN server setup, parental controls management

Overview:

The TP-Link Archer AX55 V2 is a powerful AX3000 Dual Band Gigabit Wi-Fi 6 Router designed to transform your home connectivity. By leveraging the latest Wi-Fi 6 technology, this device delivers drastically improved speeds with 2402 Mbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band. This performance ensures smoother streaming, faster downloads, and lag-free gaming even when multiple devices are connected simultaneously. The router utilizes OFDMA technology to increase network capacity by four times, allowing for simultaneous transmission to more devices without the usual slowdowns.

Description:

The TP-Link Archer AX55 V2 combines high-speed Wi-Fi 6 performance with advanced security features to create a robust home network. Part number TP Archer AX55 ensures you get the latest version equipped with an advanced Qualcomm chipset and high memory for reliable operation under heavy loads. Key benefits include ultra-low latency for responsive gaming, extended coverage via four high-gain antennas and Beamforming technology, and improved battery life for connected devices through Target Wake Time. The router also supports TP-Link HomeShield for enhanced security against cyber threats and offers seamless integration with Amazon Alexa for voice control.

Features:

Next-Gen Performance and Coverage
This router is built to handle the demands of modern smart homes, supporting 8K video streaming without lag thanks to 160 MHz channel support on the 5 GHz band. The advanced cooling design features a larger heat sink that prevents throttling, ensuring consistent full output even in varied environments. Beamforming technology actively detects connected devices and concentrates wireless signal strength towards them, effectively eliminating dead zones in large or multi-story homes.

Enhanced Security and Parental Controls The Archer AX55 V2 comes equipped with TP-Link HomeShield to provide advanced security for your everyday devices. It includes a real-time network scanner to detect potential threats, along with WPA3 encryption for enhanced protection against brute-force attacks. Families can utilize robust parental controls to manage online time, block inappropriate content, and customize profiles for better internet habits. You will receive notifications when new devices connect, allowing you to instantly kick off any suspicious connections.

Flexible Connectivity Options For those with dead zones, the router supports EasyMesh technology, enabling you to create a

whole-home mesh WiFi system by adding compatible extenders without replacing existing devices. A dedicated USB 3.0 port allows for easy file sharing or personal cloud storage access from anywhere. The device also offers multiple working modes including Router and Access Point configurations, along with support for VPN Server and Client functions like OpenVPN, PPTP, and L2TP.

Technical Specifications:

- Wireless Standards: Wi-Fi 6 (IEEE 802.11ax), backward compatible with 802.11ac/n/a/g/b
- WiFi Speeds: AX3000 total, 2402 Mbps on 5 GHz and 574 Mbps on 2.4 GHz
- Coverage: Suitable for 3-bedroom houses with 4 high-performance external antennas
- Processor: Dual-Core CPU with high memory capacity
- Ports: 1x Gigabit WAN, 4x Gigabit LAN, and 1x USB 3.0 port
- Security Protocols: WPA3, WPA2, SPI Firewall, DDoS Attack Prevention

Easy Setup and Management Setting up your network is straightforward whether you prefer the intuitive Tether app or the powerful web interface. The Tether app allows for complete management of network settings from any Android or iOS device, including firmware upgrades via OTA updates to keep security current. The system supports IPv4 and IPv6 protocols and includes features like Dynamic DNS, UPnP, and various NAT forwarding options for advanced users.

What's in the box

- Wi-Fi Router Archer AX55 V2
- Power Adapter (12V 2A)
- RJ45 Ethernet Cable
- Quick Installation Guide

The package contains all necessary components to get your network running immediately. The router operates within an environmental temperature range of 0degrees C to 40degrees C and has been certified by FCC, CE, and RoHS standards for safety and quality.

Specifications:

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Specifications	
Product Code	TP Archer AX55
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 x 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	
Processor	Dual-Core CPU
Ethernet Ports	1 x Gigabit WAN Port
	4 x Gigabit LAN Ports
USB Support	1 x 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
SECURITY	

WiFi Encryption	WPA
	WPA2
	WPA3
	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 x 5 GHz Guest Network
	1 x 2.4 GHz Guest Network
VPN Server	OpenVPN Server
	PPTP VPN Server
	L2TP VPN Server
VPN Client	Open VPN Client
	PPTP VPN Client
	L2TP VPN Client
SOFTWARE	
Protocols	IPv4
	IPv6
Service Kits	HomeShield
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.

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

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: 0degreesC~40degreesC (32degreesF ~104degreesF)
	Operating Humidity: 10%~90% non-condensing
TEST DATA	
WiFi Transmission Power	CE:
	FCC:
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 x D x H)	10.2 x 5.3 x 1.5 in
	(261.1 x 134.5 x 41.0 mm)
Package Contents	Wi-Fi Router Archer AX55
	Power Adapter
	RJ45 Ethernet Cable
	Quick Installation Guide

FAQ

Is the TP-Link Archer AX55 V2 compatible with Amazon Alexa?
Yes, you can control your router via voice commands using Amazon Alexa to make managing your network easier.

What is the maximum Wi-Fi speed provided by this router?
The Archer AX55 delivers AX3000 speeds of 2402 Mbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band, ensuring smooth streaming and faster downloads.

How do I set up and manage this router?
You can easily set up your Archer AX55 in minutes using the intuitive Tether app for Android or iOS devices, or through the powerful TP-Link web interface.

Does the Archer AX55 support expanding coverage to other rooms?
Yes, you can flexibly create a whole home mesh Wi-Fi by adding another EasyMesh-compatible router or range extender to eliminate dead zones and ensure smart roaming.

What security features are included for my family's safety?:

The router includes TP-Link HomeShield with advanced security like real-time network scanning, parental controls to block inappropriate content, WPA3 encryption, and intrusion prevention systems.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/TP-Archer-AX55-TP-link-Archer-AX55-V2-AX3000-Dual-Band-Gigabit-Wi-Fi-6-Router-p-342217.php

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