

# TP-Link Archer AX6000 Datasheet

## Overview

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**Model:** Archer AX6000

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**Type:** Dual-Band Wi-Fi 6 Router

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**Release Year:** 2018 (Wi-Fi 6 Certified)

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**Target Users:** Gamers, 4K/8K streamers, smart home enthusiasts

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**Key Features:**

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Wi-Fi 6 (802.11ax) support

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8× Gigabit LAN ports

- 2.5G WAN port
- MU-MIMO & OFDMA technology
- TP-Link HomeCare™ (Security & QoS)

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## Wireless Specifications

Feature	Details
Wi-Fi Standard	802.11ax (Wi-Fi 6)
Dual-Band	2.4GHz + 5GHz
Max Speed	<b>AX6000</b> (Combined)
- 2.4GHz Band	1148 Mbps (4×4 MU-MIMO)
- 5GHz Band	4804 Mbps (8×8 MU-MIMO)
Antennas	8× high-gain external antennas
Wi-Fi Range	Large homes (up to 3,000 sq. ft)

Supported Devices	100+ simultaneous connections
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## Wired Connectivity

Ports	Details
WAN Port	1× 2.5G Multi-Gigabit (Supports high-speed fiber)
LAN Ports	8× Gigabit Ethernet (1Gbps each)
USB Ports	1× USB 3.0, 1× USB 2.0 (For storage/media sharing)

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## Advanced Technologies

- **OFDMA** – Reduces latency for multiple devices.
- **MU-MIMO** – Handles multiple devices simultaneously.
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**Beamforming** – Focuses Wi-Fi signals towards connected devices.

- **Airtime Fairness** – Prevents slow devices from bogging down the network.

- **1024-QAM** – Boosts speeds for compatible devices.

- **TP-Link HomeCare™** – Includes:

- **Parental Controls** (Time limits, content filtering)
  - **QoS (Quality of Service)** – Prioritizes gaming/streaming.
  - **Antivirus** (Powered by Trend Micro™).
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# Security Features

- WPA3 Encryption – Latest Wi-Fi security protocol.
- VPN Support – OpenVPN, PPTP, L2TP.
- Guest Network – Isolated Wi-Fi for visitors.
- Network Firewall – SPI, DoS protection.

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# Performance & Hardware

Component	Details
CPU	1.8GHz Quad-Core Processor
RAM	512MB DDR3
Flash Memory	128MB

Buttons	Power, Reset, WPS, LED On/Off
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## Software & Management

- TP-Link Tether App – Remote setup & management via smartphone.
- Alexa/Google Assistant – Voice control support.
- Firmware Updates – Regular security & feature upgrades.

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## Dimensions & Power

- Dimensions: 10.3 × 10.3 × 2.4 in (262 × 262 × 61 mm)

- **Weight:** 2.98 lbs (1.35 kg)
  - **Power Supply:** 100-240V, 50/60Hz (External adapter)
  - **Max Power Consumption:** ~21W
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## Package Contents

- Archer AX6000 Router
- Power Adapter
- Ethernet Cable
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## Price & Warranty

- **MSRP (At Launch):** ~\$299
  - **Current Price:** ~250–250–350 (Varies by region)
  - **Warranty:** 2-Year Limited Warranty
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## Ideal Use Cases

- ☑ **8K/4K Streaming** (Netflix, YouTube)
- ☑ **Online Gaming** (Low latency, QoS optimization)
- ☑ **Smart Home Hub** (100+ device support)
- ☑ **Home Office** (Stable VPN & wired connections)