Router AX1800

TP -LINK AX1800 WI-FI 6 ROUTER ARCHER AX23 EU

- Wi-Fi speeds up to 1.8 Gbps - enjoy smooth streaming, downloading files and online gaming without lag or buffering

- Multiple connections at once — Wi-Fi 6 lets you send more data to more devices with OFDMA and MU-MIMO technologies while reducing latency

- Wide Wi-Fi coverage area - thanks to an improved algorithm, Beamforming technology and high-performance antennas

- Latest chipset - High-efficiency chipset provides stable and fast Wi-Fi with lower power consumption

- Parental Control - Powerful free parental control lets you block URLs, manage profiles, pause internet connections, and more
- Works with most ISPs - L2TP/PPTP and IPTV support
- Easy setup - Set up your router in minutes with the TP-Link Tether app
- Backward compatibility - supports all previous 802.11 Wi-Fi standards

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Wireless broadcasting	
Standards	Wi-Fi 6 5 GHz - IEEE 802.11ax/ac/n/a 2.4 GHz - IEEE 802.11ax/n/b/g
Wi-Fi speed	AX1800 5GHz: Up to 1201Mbps (802.11ax) 2.4GHz: Up to 574Mbps (802.11ax)
Wi-Fi coverage	For three-room apartments 4 Fixed Antennas

	Multiple antennas form a strong signal to extend the range Beamforming Concentrates the wireless signal towards clients to extend the range of Wi-Fi
Wi-Fi Bandwidth	Tall Dual Band Assign each device its own band for optimal performance OFDMA Simultaneously communicate with multiple Wi-Fi 6 clients MU-MIMO Simultaneously communicate with multiple MU-MIMO clients Airtime Fairness Improve network efficiency by ensuring equal transmission time for all clients 4 Streams Increased throughput for your devices
Operating modes	Router Access Point

HARDWARE	
CPU	Dual-core processor
Ethernet ports	1 Gigabit WAN port 4 Gigabit LAN ports
Buttons	WPS/Wi-Fi Power (Power On/Off) Reset (Reset settings)
Nutrition	12 V ⎓ 1 A

Safety	
Wi-Fi encryption	WPA WPA2 WPA3 WPA/WPA2-Enterprise (802.1x)
Network security	SPI Firewall Access Control IP and MAC Binding Application Layer Gateway
Guest network	5 GHz and 2.4 GHz
VPN Server	OpenVPN PPTP

Software Features	
Protocols	IPv4 IPv6
OneMesh™	OneMesh™ Support OneMesh™ enables you to create a more flexible whole-home network with TP-Link OneMesh™ devices without having to replace your current devices or purchase a new Wi-Fi ecosystem
Parental control	URL Filtering Control Time Spent Online
WAN Types	Dynamic IP Static IP PPPoE PPTP

	L2TP
Prioritization (QoS)	Device prioritization
Cloud service	Auto Firmware Update Over-the-Air Firmware Update TP-Link ID DDNS
NAT Forwarding	Port Forwarding Launching DMZ UPnP Ports
IPTV	IGMP Proxy IGMP Snooping Bridge VLAN Tagging
DHCP	Address Reservation Client List DHCP Server
DDNS	TP-Link NO-IP DynDNS

PHYSICAL PARAMETERS	
Dimensions (W x D x H)	260.2 x 135.0 x 38.6 mm
Delivery set	Wi-Fi router Archer AX23 Power adapter Ethernet cable RJ45 Quick setup guide

OTHER	
System requirements	Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+ or another browser that supports JavaScript Cable or DSL modem (if necessary) Subscription to an Internet service provider (for Internet access)
Certification	FCC, CE, RoHS
Environment	Operating temperature: 0...+40 °C Storage temperature: –40...+70°C Operating humidity: 10–90% non-condensing Storage humidity: 5–90% non-condensing

TEST RESULTS	
Wi-Fi transmitter power	< 20 dBm or < 100 mW
Wi-Fi Receiver Sensitivity	5GHz 11a 6Mbps: -96dBm 11a 54Mbps: –75dBm 11ac VHT20_MCS0: -95dBm 11ac VHT20_MCS8 : -71dBm 11ac VHT40_MCS0: -92dBm 11ac VHT40_MCS9: -66dBm 11ac VHT80_MCS0: -89dBm 11ac VHT80_MCS9: –62dBm 11ax HE20_MCS0 : –95dBm 11ax HE20_MCS11: -64dBm 11ax HE40_MCS0: -92dBm 11ax HE40_MCS11: -60dBm 11ax HE80_MCS0: -89 dBm 11ax HE80_MCS11: –59 dBm 2.4 GHz

	11g 6 Mbps: –96 dBm 11g 54 Mbps: –75 dBm 11n HT20_MCS0 : –95 dBm 11n HT20_MCS7: –75 dBm 11n HT40_MCS0: –92 dBm 11n HT40_MCS7: -72 dBm 11ac VHT20_MCS0: –95 dBm 11ac VHT20_MCS8 : –72 dBm 11ac VHT40_MCS0: –92 dBm 11ac VHT40_MCS9: -67 dBm 11ax HE20_MCS0: –95 dBm 11ax HE20_MCS11: -65 dBm 11ax HE40_MCS0: -92 dBm 11ax HE40_MCS11: -62 dBm