Archer-C7 Datasheet

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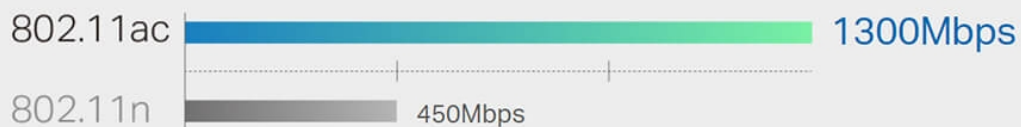
Overview

* Supports 802.11ac standard - 3 times faster than wireless N speeds

* Simultaneous 2.4GHz 450 Mbps and 5GHz 1300 Mbps connections for 1.75Gbps of total available bandwidth

* USB Port - easily shares files & media with networked devices or remotely via FTP server

* Guest Network Access - provides secure Wi-Fi access for guests sharing your home or office network

* Easy setup and management with Tether App

The New York Times

"The Best Router for Most People"

AC1750 Wireless Dual Band Gigabit Router
Archer C7

*A review of dozens of wireless routers by the New York Times in collaboration with The Wirecutter concluded that the Archer C7 is the best option for most consumers.

The New WiFi Standard for an Advanced Online Experience

The Archer C7 is a fast 802.11ac router with incredible range. It's better than many routers that are twice as expensive. This advanced WiFi is designed for high-traffic online activities and can help to run applications at triple the speed of the previous 802.11n standard.*

802.11ac — 1300Mbps

802.11n — 450Mbps

Concurrent Dual Band Connections for Lag-Free Work and Entertainment

The Archer C7 operates both the 2.4GHz and 5GHz bands, ensuring amazing wireless performance. Simple tasks like sending e-mails or web browsing can be handled by the 2.4GHz band while bandwidth intensive tasks like online gaming or HD video streaming can be processed by the 5GHz band – all at the same time.

450 Mbps
2.4GHz Band

1300 Mbps
5GHz Band

External Antennas with Dual Band WiFi Greatly Expand Wireless Coverage

Three external antennas with advanced connection technology allow you to maintain impressive speeds. With antennas serving both the 2.4GHz and 5GHz band, you can enjoy incredible wireless coverage and reliability in any part of your large home or office.

— 5GHz
— 2.4GHz

● **5GHz**

The crystal clean 5GHz band is ideal for HD streaming and gaming, creating a blazing-fast network.

● **2.4GHz**

The 2.4GHz band provide stable and strong WiFi signal for everyday tasks, like browsing and surfing.

Versatile USB Connectivity

A USB 2.0 port makes the Archer C7 a truly resourceful gateway. Share a hard drive full of media through your home network, or via an ftp server whenever you're away.

FTP Server
Media Server
Storage Sharing

Full Gigabit Wired Connections for Ultrafast Data Transfer Speeds

With one Gigabit WAN port and four Gigabit LAN ports, speeds can be up to 10× faster than standard Ethernet connections. The Archer C7 is a powerful hub to support a robust and extremely fast wired network.

Power | Power On/Off | Reset | Gigabit WAN Port | 4 Gigabit LAN Ports | WPS/WiFi

TP-Link OneMesh™ :
Flexibly Create a Whole-Home WiFi

OneMesh™ is a simple way to form a Mesh network with a single WiFi name for seamless whole-home coverage. Just connect a OneMeshTM range extender to a OneMesh™ router. No more searching around for a stable connection.**

WiFi Dead-Zone Killer
Eliminate weak signal areas with WiFi coverage for the whole house

Smart Roaming
Uninterrupted streaming when moving around your home

One WiFi Name
No more switching WiFi network names

Unified Management
Manage the whole-home WiFi by managing the central node via Tether app/Web UI

Traditional Router with Extender

Wi-Fi
Router
Extender

OneMesh™ Router + Range Extender

Wi-Fi
√ Whole Home

Enjoy a Mesh Network with Your Existing Router

Want a Mesh network? Hesitate on whether to replace your existing router and buy a Mesh set?
TP-Link OneMesh™ resolves your dilemma.

Parental Controls
Manage when and how connected devices can access the internet

IPv6 Supported
Supports IPv6, the next generation of Internet protocol, helping you to future-proof your network.

Quality of Service
Prioritizes devices or applications to give faster performance where you need it.

Note:

*Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications along with the number of connected devices were defined according to test results under normal usage conditions. Actual wireless transmission rate, wireless coverage, and number of connected devices are not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.

**Seamless roaming/No-Drop Wi-Fi refers to the Wi-Fi roaming that supports IEEE 802.11 k/v/r protocol, helping connected devices search and shift from one AP to another within 0.3 second. Clients need to support 802.11 k/v/r and may require additional setup. Performance may vary depending on the client device.

Get more information

Do you have any question about the Archer C7?

Contact us now via **Live Chat** or **sales@router-switch.com**

Specification

Archer C7 Specification	
Wireless	
Standards	**Wi-Fi 5** IEEE 802.11ac/n/a 5 GHz IEEE 802.11n/b/g 2.4 GHz
WiFi Speeds	**AC1750** 5 GHz: 1300 Mbps (802.11ac) 2.4 GHz: 450 Mbps (802.11n)
WiFi Range	**3 Bedroom Houses** 3× Fixed High-Performance Antennas Multiple antennas form a signal-boosting array to cover more directions and large areas
WiFi Capacity	**Medium** Dual-Band Allocate devices to different bands for optimal performance
Working Modes	Router Mode Access Point Mode
Hardware	

Processor	Qualcomm CPU
Ethernet Ports	1× Gigabit WAN Port 4× Gigabit LAN Ports
USB Support	1× USB 2.0 Port Supported Partition Formats: NTFS, FAT32 Supported Functions: FTP Server Media Server Samba Server
Buttons	Wi-Fi On/Off Button Power On/Off Button WPS/Reset Button
Power	12 V 1.5 A
Security	
WiFi Encryption	WPA WPA2 WPA/WPA2-Enterprise (802.1x)
Network Security	SPI Firewall Access Control IP & MAC Binding Application Layer Gateway
Guest Network	1× 5 GHz Guest Network 1× 2.4 GHz Guest Network
VPN Server	OpenVPN PPTP
Software	
Protocols	IPv4 IPv6
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	URL Filtering Time Controls
WAN Types	Dynamic IP Static IP PPPoE PPTP L2TP
Quality of Service	QoS by Device
Cloud Service	OTA Firmware Upgrade TP-Link ID DDNS
NAT Forwarding	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
Physical	
Dimensions (W×D×H)	9.6 × 6.4 × 1.3 in (243 × 160.6 × 32.5 mm)
Package Contents	Wi-Fi Router Archer C7 Power Adapter RJ45 Ethernet Cable Quick Installation Guide
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) Storage Temperature: -40 ~70 (-40 ~158) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing
Test Data	
WiFi Transmission Power	CE: <20dBm(2.4GHz) <23dBm(5GHz) FCC: <30dBm
WiFi Reception Sensitivity	5GHz: 11a 6Mbps-96dBm 11a 54Mbps: -79dBm 11ac HT20: -71dBm 11ac HT40: -66dBm 11ac HT80: -63dBm 2.4GHz: 11g 54M: -77dBm 11n HT20: -74dBm 11n HT40: -72dBm

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