STATUS 2.4G 5G WAN 1 2 3 4

RT1900ac

Synology Router

RT1900ac

Designed for homes and offices, Synology Router RT1900ac broadcasts both 2.4GHz and 5GHz spectrums for combined data transfer speeds of up to 1900Mbps. Enjoy robust coverage with Beamforming and optimized multi-user performance, and fine-tune network traffic with Parental Control and Application Layer QoS. No more worries about router setting and management. Synology Router Manager (SRM) operating system provides you revolutionary user experience.

Fast, reliable Wi-Fi with Beamforming

Equipped with three powerful antennas and support for the latest 802.11ac wireless networking standard, **Synology Router RT1900ac** broadcasts both 2.4GHz and 5GHz spectrums for combined data transfer speeds of up to **1900Mbps**. Never worry about speed bottlenecks even when multiple devices are connected to the network.

Traditional routers broadcast wireless signals in all directions, regardless of the position of your laptop computer or mobile devices. With smart **Beamforming** technology, Synology Router RT1900ac focuses wireless signals toward up to six supported devices, reducing latency, economizing power consumption, and improving wireless range.

Revolutionary software experience

Synology Router Manager (SRM) is the operating system that powers the Synology Router RT1900ac. With the friendly interface, it makes managing your network and Wi-Fi settings super simple, while delivering robust tools for power users and professionals.

- Easy to use - The familiar, desktop-like interface makes it easy for beginners to manage their entire network settings.
- Convenient access - To access SRM, simply aim your browser at "router.synology.com" during installation, or using a customizable QuickConnect ID, DDNS address to access SRM anywhere in the world.
- Free updates - Regular software updates means you can enjoy the newest features, technology, and security.

Advanced management tools

With the **Network Center** application, you can limit bandwidth consumption, block malicious content, and fine-tune how data travels through your home or office network.

- **Traffic Monitor** - Intuitive and detailed graphical view on network resource allocation.
- **Application Layer QoS** - Allows you to have total control of the Internet availability by device and by networking applications.
- **Parental Controls** - Easily setup allowed time for each device with built-in DNS based web filter

Access your files everywhere

By connecting a USB storage device or SD (SDXC) card to Synology Router RT1900ac, you can access its contents from anywhere or share files with family and coworkers. With complete support for all popular file protocols, including CIFS, AFP, FTP and WebDAV, Synology Router RT1900ac plays nice with Windows and Mac computers, as well as Android and iOS devices.

Mobile apps ready for anywhere access

Install **DS router** on your Android or iOS device and conveniently manage Synology Router RT1900ac settings from the palm of your hand. DS router delivers robust tools and options, such as easy installation, wireless network management, real-time traffic monitoring and controls, and so much more. **DS file** can browse, open, and organize files that are stored on the USB storage device or SD card connected to Synology Router RT1900ac. With **DS download**, you can search for and start downloads tasks from anywhere, so they'll be finished by the time you return home.

Technical Specifications

Hardware

CPU	Dual-core 1.0GHz
RAM	DDR3 256MB
Antenna type	3T3R Omni-directional high-gain dipole (2.4GHz / 5GHz)
Antenna gain	2.4GHz 3.5dBi, 5GHz 4.6dBi
LAN port	Gigabit (RJ-45) x 4
WAN port	Gigabit (RJ-45) x 1
External port	USB 3.0 x 1 (5V, 1.5A power output) SD card reader x 1(SDXC, SDHC)
Button and switch	WPS, USB/SD eject, Power, Reset, Wi-Fi On/Off
Size (H x W x D)	66 mm x 206 mm x 160 mm (without antenna)
Weight	0.51 Kg (with 3 antennas)
AC input power voltage	100V to 240V AC
Power frequency	50 to 60Hz, single phase
Operating temperature	5°C to 40°C (40°F to 104°F)
Storage temperature	-20°C to 60°C (-5°F to 140°F)
Relative humidity	5% to 95% RH

Wireless

Wireless standards	IEEE 802.11ac/n/a 5GHz, IEEE 802.11b/g/n 2.4GHz, simultaneous dual-band
Frequency and data rate	2.4GHz: 600Mbps (256-QAM supported), 5GHz: 1300Mbps
Wireless security	WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise, Wi-Fi Protected Setup (WPS) 2.0
Other wireless functions	Independent 2.4GHz / 5GHz Wi-Fi schedule On/Off , Guest Network: 2.4GHz / 5GHz 3G/4G dongle support (3G/4G dongle is not included)

Built-in Features

Operation modes	Wireless router, wireless AP, wireless client
DHCP	Server, client, client list, address reservation
Quality of Service	Application Layer (L7) Quality of Service (QoS)
Port forwarding	DMZ, UPnP
Parental control	Customized Internet schedule, allow / block list, DNS-based web filter with built-in filter database
Traffic control	Internet ban, custom speed, Traffic Monitor
Network tools	Ping, Traceroute, Wake on LAN over QuickConnect
Security	Firewall / SPI firewall, MAC address filter, denial of service (DoS) protection, auto block, server certificate, Security Advisor, VPN pass-through (PPTP, IPSec, L2TP)
VPN client	PPTP, OpenVPN™, L2TP / IPSec
IPv6 support	IPv6 DHCP server / client, IPv6 tunneling
Backup options	Backup & restore SRM configuration
Notifications	Email, SMS, push notifications (via DS router)
File service	CIFS, AFP, FTP, WebDAV
FTP server	Bandwidth control for TCP connections, custom FTP passive port range, anonymous FTP, FTP SSL/TLS and SFTP protocols, boot over the network with TFTP and PXE support, transfer logs
iOS/Android™ applications	DS router, DS file, DS download
Anywhere access	Synology QuickConnect, Dynamic DNS (DDNS)
Printer support	Maximum printer: 1, printing protocols: LPR, CIFS, IPP
Advanced functions	Static route, Network address translation (NAT), SNMP, SSH, LAN/WLAN IGMP snooping, PPPoE relay

Add-on Packages

VPN Server	Supported VPN protocols: PPTP, OpenVPN™, L2TP / IPSec, maximum connections: 5
RADIUS Server	Provides centralized authentication, authorization, and accounting for wireless network access
DNS Server	Helps user to find, or translate domain names into IP addresses
Download Station	Supported download protocols: BT/HTTP/FTP/NZB/eMule, maximum concurrent download task: 50
Media Server (DLNA/UPnP®)	DLNA certified, PS3®/PS4®/Xbox 360®/Xbox One® support, media indexing

System Requirements

Supported clients	Windows XP onwards, Mac OS X® 10.7 onwards, Ubuntu 12 onwards
Supported browsers	Chrome™, Firefox®, Internet Explorer®: 8 onwards, Safari® 7 onwards, Safari (iOS® 7 onwards on iPad®), Chrome (Android 4.0 onwards on tablets)
Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

Environment and Packaging

Environment	RoHS compliant
Package content	RT1900ac main unit, antenna x 3, stand kit, AC power adapter, RJ-45 LAN cable, welcome note
Warranty	2 years

Connections & Buttons
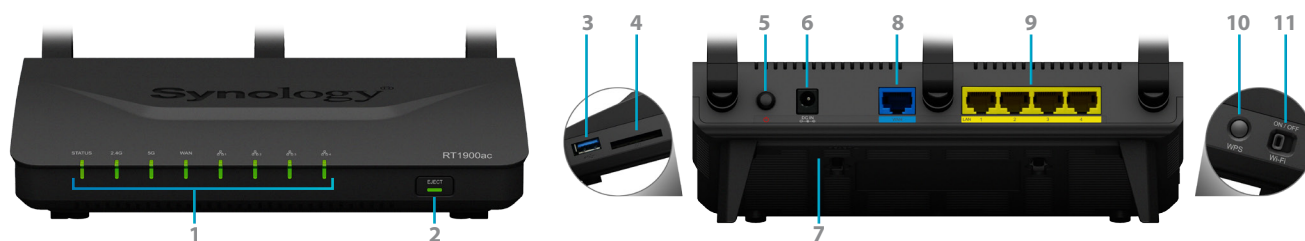
1	LED indicator	2	USB/SD eject button	3	USB 3.0 port	4	SD card reader
5	Power button	6	Power port	7	Reset button	8	WAN port
9	LAN port	10	WPS button	11	Wi-Fi On/Off switch		

*Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.

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