

Product

# RT2600ac



## Hardware Specs

### CPU

Dual core 1.7 GHz

### Hardware Acceleration Engine

Layer 4 / Layer 7

### Memory

512 MB DDR3

### Antenna Type

4×4 MIMO Omni-directional high-gain dipole (2.4GHz / 5GHz)

### LAN Port

- Gigabit (RJ-45) x 4
- Gigabit (RJ-45) x 3 (Dual WAN)

### WAN Port

- Gigabit (RJ-45) x 1
- Gigabit (RJ-45) x 2 (Dual WAN)

### External Ports

- USB 3.0 x 1 (5V, 0.9A power output)
- USB 2.0 x 1 (5V, 0.5A power output)
- SD card reader x 1 (SDXC, SDHC)

### IEEE 802.11ac

- IEEE 802.11a/b/g/n/ac
- Simultaneous dual-band Wi-Fi
- 5GHz: 1.73Gbps
- 2.4GHz: 800Mbps

### IEEE 802.11ac Wave 2

- MU-MIMO
- 2×2 160 MHz (contiguous 80 + 80 MHz)
- 2×2 80 + 80 MHz (discontiguous)

#### Notes

2×2 160 MHz (contiguous 80 + 80 MHz) is not supported in Japan

### Wi-Fi Encryption

WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise, WPA2/WPA3-Personal, WPA3-Personal/Enterprise, OWE

### Button and Switch

WPS, USB/SD eject, Power, Reset, Wi-Fi On/Off

### Size (Height x Width x Depth)

77 mm x 280 mm x 169 mm

#### Notes

The listed sizes of the RT1900ac and RT2600ac don't include the antennas

### Weight

0.7 kg

### Temperature

#### 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

### Certification

- FCC
- UKCA
- CE
- BSMI
- VCCI
- RCM
- KC
- iDA
- TELEC
- JATE

## Wi-Fi Certification

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- KC

## Warranty

2 Years

### Notes

The warranty period starts from the purchase date as stated on your purchase receipt. ([Learn more](#))

## AC Input Power Voltage

100 V to 240 V AC

## Power Frequency

50/60 Hz, Single Phase

## Power Consumption

10.80 W (Access)  
7.94 W (Idle)

## Environment

RoHS Compliant

## Packaging Content

- Main Unit X 1
- Antenna X 4
- AC Power Adapter X 1
- RJ-45 LAN Cable X 1
- Quick Installation Guide X 1

## Software Specs

### SRM Specifications

Wireless	
Wi-Fi MAC Address Filter	v
Maximum MAC Filters	64
Maximum devices on per MAC filter	256
Seamless Roaming	802.11k/v/r standard support
Beamforming	v
DFS	v
Maximum Number of Wi-Fi SSID	10
Schedulable Wi-Fi	v
Guest Network	<ul style="list-style-type: none"><li>• Guest Portal</li><li>• Customized page style</li><li>• Connection time limit</li><li>• Password Rotation</li></ul>
WPS 2.0 (Wi-Fi Protected Setup 2.0)	v
3G / 4G Dongle & Tethering <a href="#">(Learn more)</a>	v
Primary Wi-Fi Point	v
Wi-Fi Point	v

Recommended Maximum Number of Wi-Fi Points	<ul style="list-style-type: none"> <li>• 1 Primary + 6 Wi-Fi points (in all wireless uplink connection environment)</li> <li>• 1 Primary + 12 Wi-Fi points (in all wired uplink connection environment. <a href="#">Learn more</a>)</li> </ul>
Maximum Connected Devices*	100
*Notes	<ul style="list-style-type: none"> <li>• In real-world testing, at least 120 devices can be concurrently connected to RT2600ac</li> <li>• Not all of the connected 120 devices are transmitting data, some remained idle</li> <li>• RT2600ac supports at least 100 connected devices concurrently transmitting data</li> <li>• The numbers above are for reference only. Actual performance and behavior may depend on network environment and settings</li> </ul>

## Network

Internet Connection	<ul style="list-style-type: none"> <li>• Dynamic IP, Static IP, PPPoE, PPTP, DS-Lite (AFTR)</li> <li>• 3G/4G LTE dongle</li> <li>• Android Tethering</li> <li>• iPhone Tethering</li> </ul>
Operating Mode	<ul style="list-style-type: none"> <li>• Wireless Router</li> <li>• Wireless AP</li> </ul>
DMZ	v
IPv6	IPv6 DHCP server/client, DS-Lite, 6in4, 6to4, 6rd, Dual-Stack, DHCPv6-PD, IPv6 Relay, FLET's IPv6
DHCP	Server/client mode, client list, MAC address reservation
Maximum DHCP Reservations	500
LAN / WLAN IGMP Snooping	v
Network Address Translation (NAT)	v
PPPoE relay	v
Policy route	v

Static route	v
Maximum IPv4 Static Routes	100
Maximum IPv6 Static Routes	100
Diagnosis Tools	<ul style="list-style-type: none"> <li>• Ping</li> <li>• Traceroute</li> </ul>
NAT Loopback (Hairpinning)	v

## VLAN

Maximum Number of Network Segmentation	5
Trunk	v

## Port Forwarding

Maximum Port Forwarding Rules	64
Maximum UPnP Rules	64

## Port Triggering

Maximum Port Triggering Rules	32
Minimum Port Triggering Timeout	30s
Maximum Port Triggering Timeout	3600s

## VPN

- VPN server (WebVPN, SSL VPN, SSTP, OpenVPN, L2TP/IPSec, PPTP, Site-to-Site)
- VPN client (PPTP, OpenVPN, L2TP/IPSec)
- VPN Pass-through (PPTP, IPSec, L2TP)

## Traffic Control

Internet Ban, Device Speed & Priority	v
Application Layer (L7) Quality of Service (QoS)	v
Maximum Device Rules	64
Maximum Application Rules per Device	32
<b>Traffic Monitor</b>	
Live View	v
Historical Statistics	Daily, Weekly, Monthly, Annual
Website History	v
Application Detection	v
<b>Traffic Report</b>	
Country Auto Update	v
Schedulable	v
Traffic Analysis Period	Daily, Weekly, Monthly, Annual
Export Formats	.CSV, .HTML

**Add-on Packages [view the complete package list](#)**

<b>Safe Access</b>	
User Profile	15
Network Profile	5
Customized Internet Schedule	v
Time Quota	v

IPv4 / IPv6 DNS-based Web Filter	<ul style="list-style-type: none"> <li>• Schedule</li> <li>• Database</li> <li>• Request to unblock</li> </ul>
Customized Allow / Block List	<ul style="list-style-type: none"> <li>• Maximum blocked URLs: 100</li> <li>• Maximum allowed URLs: 100</li> </ul>
Pause Internet	v
Reward	v
Log	v
Report	v
Safe Search	Bing, Google, YouTube
Threat Intelligence Database	Support in IPv4 & IPv6
Google Safe Browsing	Support in IPv4 & IPv6
Database Auto Update	Threat Intelligence Database, Google Safe Browsing, DNS-based web filter

## Threat Prevention

Greatly enhance the security of your router, designed to safeguard your network against internet threats

## VPN Plus Server

Easily create and manage secure VPN access through a web browser or client. Supports various VPN services — Site-to-Site VPN, WebVPN, SSL VPN, Remote Desktop, SSTP, OpenVPN, L2TP over IPSec, and PPTP

Maximum Client VPN Access License	20
Site-to-Site VPN	v
Maximum Site-to-Site VPN Tunnels	10
Remote Desktop (RDP + VNC)	3
Connection List	v

Log	v
Report	v

## Cloud Station Server

Sync data from multiple platforms, centralizing it on the router while easily keeping historical versions of important files

Maximum Concurrent File Transfers	128
Notes	Cloud Station ShareSync is not supported

## DNS Server

Helps users find and translate domain names into IP addresses

## Download Station

Supported download protocols: BT/HTTP/FTP/NZB/eMule

Maximum Concurrent Download Tasks	20
Maximum Concurrent BT Download Tasks	20

## Media Server

- Media indexing
- DLNA Compliance

## RADIUS Server

Provides centralized authentication, authorization, and accounting for wireless network access

## Mobile Apps

### Supported Mobile Apps

DS router (Android/iOS)	<ul style="list-style-type: none"> <li>• First Time Installation</li> <li>• Network overview</li> <li>• Wi-Fi management</li> <li>• Wi-Fi system topology</li> <li>• Safe Access</li> <li>• Traffic Control</li> <li>• Network security (firewall, port forwarding, Internet ban)</li> <li>• Wake on LAN</li> <li>• System Update</li> </ul>
VPN Plus (Android/iOS)	v
DS cloud (Android/iOS)	v
DS get (Android)	v
DS file (Android/iOS)	v

## Management

### Operating System

Synology Router Manager (SRM)

### Anywhere Access to SRM

Synology QuickConnect & Dynamic DNS (DDNS)

### Security

Firewall/SPI Firewall, DoS Protection, VPN Pass-through (PPTP, IPSec, L2TP), Auto block, SSL certificate, Security Advisor, two-factor authentication

### Wake on LAN (WOL)

WOL over QuickConnect

v

Maximum Connected Devices

100

### Notification

Email, SMS, push service (via DS router)

## Printer Server

Maximum printer: 1

## Others

Free OS Upgrade	v
SSH	v
SNMP	v
Configuration Backup & Restore	v
User Account Management	v

## USB/SD Card File Service

### File System

EXT4, FAT, NTFS, HFS+

### Access Support

- File explorer (via LAN only)
- Web browsers: Chrome™, Firefox®, Microsoft Edge, Safari
- Mobile device: DS file

### Protocol Support

Windows file service (CIFS), Mac file service (AFP), FTP/FTPS, WebDAV

## Others

Apple Time Machine	v
Shared Folder Privileges	v
Storage Hibernation	v