Synology®

Dual-band Wi-Fi 6 Router
WRX560

Feature-Packed and Mesh Capable Wi-Fi 6 Wireless Router

The WRX560 is a feature-packed high performance router designed for busy households and home offices. Take advantage of mesh network capability for seamless whole-house coverage.[1] Support for 3 Gbps wireless speeds and up to 150 connected devices ensures fast, uninterrupted internet connectivity, even in busy network environments.[2]

Powered by our constantly evolving Synology Router Manager operating system, the WRX560 is designed to make securing and managing your network simple.

Highlights

- **Speedy Performance**
  Dual-band Wi-Fi 6 with 5.9 GHz support[3] and configurable WAN/LAN 2.5GbE port enable fast wireless and wired transfers
- **Advanced Network Security**
  Comprehensive network security provided through Threat Prevention, VLAN segmentation, and WPA3 support
- **Mesh Ready**
  Standalone router that can be incorporated into a mesh system for whole home coverage[1]
- **Safe Internet Access for Families**
  Parental controls and web filtering keep your family protected
- **Easy Setup and Management**
  DS router app provides easy-to-follow setup and network management through your mobile device
- **Simple Remote Access**
  Comprehensive VPN server solution with remote desktop and site-to-site tunneling enables flexible and secure remote connectivity

Wi-Fi 6

What makes Wi-Fi 6 better?

Wi-Fi 6 features higher transfer speeds, but that is not all. The Wi-Fi 6 wireless standard also relieves network congestion, provides greater client capacity, and reduces client power consumption.

Home → IOT   Guest
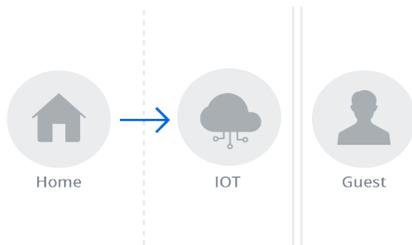
Home/Home Office Network Segmentation

Segment your networks and define rules to bridge them, keep them isolated, or allow only one-way traffic — for example, to keep vulnerable IoT devices tucked away from the rest of your devices.

Built to Handle Busy Network Environments

The WRX560 is designed to deliver fast and dependable performance for wireless and wired devices in challenging network environments.

- **A quad-core 1.4 GHz processor** and **512 MB of DDR4 memory** support fast and stable operation for up to 150 connected devices, even with advanced features enabled
- **Dual-band Wi-Fi (2.4 + 5 GHz)** with Smart Connect maximizes wireless connection speeds by intelligently pointing your device to the optimal Wi-Fi band, depending on your location
- Expanded **5.9 GHz band** support access to an interference-free band for higher potential connection speeds[3] or dedicated wireless backhaul
- **Each Ethernet port has dedicated bandwidth**, for **5.5 Gbps** of aggregate wired throughput
- A **flexible 2.5GbE port** can be configured for WAN or LAN use to get the most of high-speed ISP plans or to connect locally to high-speed desktops or NAS
- **Mesh-capability** provides ability to create a whole-home mesh wireless network under one network name using multiple Synology routers

Network Security Made Easy

Powered by the intuitive **Synology Router Manager (SRM)** operating system, SRM's suite of network management solutions makes securing your home network easy.

- Monitor incoming and outgoing traffic on your network using **Threat Prevention**, which automatically blocks malicious packets while retaining stellar internet speeds
- Set up VLANs to improve security by isolating IoT devices or creating a guest network separate from your home network
- Support for the WPA3 security protocol maximizes the safety of Wi-Fi connections
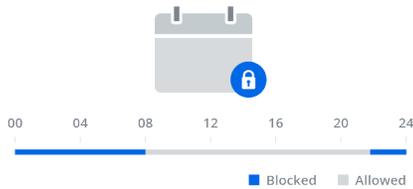
Limit Internet Usage

Limit children's internet use by allowing a certain amount of internet usage hours, limiting internet access to specific time frames, or a combination of both.
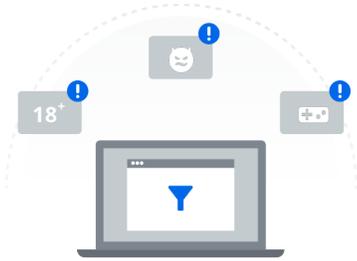
Safe Access to the Net

Set internet use time limits, apply web filters to block age-inappropriate or malicious content, block all content except websites on acceptlists, filter YouTube and Google search results, and keep tabs on children's internet use with Safe Access.

Comprehensive VPN Protocol Support

VPN Plus supports commonly used VPN protocols, making integration with your network environment easier than ever.

Safe Internet Access Through Access Controls and Web Filtering

SRM features powerful access and content administration capabilities that enable parents or admins to set up clear access rules and define allowed or blocked content.

- Set browsing schedules and maximum daily internet access time, configurable per individual user and day of the week
- Set up **web filtering** based on 18 common categories of websites for each user profile and optionally add separate allow or blocklists. Web filtering can also be activated on a scheduled basis
- Set up safe search filtering per profile with integrated support for YouTube, Google, and Bing platforms
- Analyze network use or keep tabs on your children's internet use
- Prevent the entire household from accidentally accessing websites related to malware, phishing, botnets, social engineering, and more with Safe Access

Secure Remote Access for Hybrid or Remote Work

The WRX560 includes powerful VPN server capabilities through **VPN Plus**.[4] VPN Plus enables the following features:

- Fast and secure access to local networks with clients for PC, Mac, and mobile platforms
- Access to internal websites directly from the browser without a VPN client
- Easy remote desktop access to Windows, macOS, and RDP or VNC compatible devices on your network directly through your browser
- Sharing of resources across different networks to enable easy collaboration without requiring each client device to initiate their own VPN connection[5]

Hardware Overview

Front
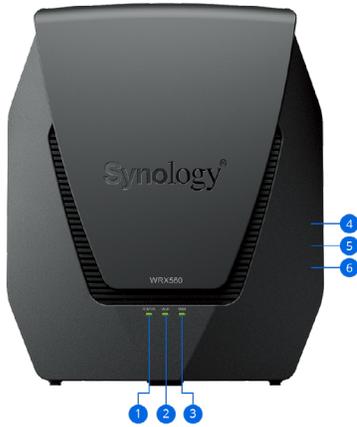
Rear

1	Status Indicator	2	Wi-Fi Indicator	3	WAN Indicator	4	WPS Button
5	Wi-Fi Button	6	USB 3.2 Gen 1 (Type-A) Port	7	Power Switch	8	Power Port
9	Gigabit WAN Port	10	2.5G WAN/LAN Port	11	Gigabit LAN Ports	12	Reset Button

Technical Specifications

Hardware

CPU	Quad-core 1.4 GHz
Hardware L7 engine	Yes
Memory	DDR4 512 MB
Antenna type	2T2R + 4T4R omnidirectional high-gain dipole (2.4 GHz/5 GHz)
RJ-45 ports	• 1 x Gigabit WAN • 1 x 2.5GbE configurable WAN/LAN • 3 x Gigabit LAN
External ports	1 x USB 3.2 Gen 1 (Type-A)
Size (HxWxD)	233 mm x 194 mm x 66 mm
AC adapter input voltage	100 V to 240 V AC
Power frequency	50 to 60 Hz, single phase
Operating environment	• 5°C to 40°C (40°F to 104°F) • 8% to 80% RH
Storage environment	• -20°C to 60°C (-5°F to 140°F) • 5% to 95% RH
Maximum operating altitude	5,000 m (16,400 ft)

Wireless

Wireless standards	• IEEE 802.11 a/n/ac/ax simultaneous dual-band • 802.11k/v/r roaming support
Max. data rate	• 2.4 GHz: Up to 600 Mbps • 5 GHz: Up to 2400 Mbps
Wireless security	WPA/WPA2-Personal, WPA/WPA2-Enterprise, WPA2/WPA3-Personal, WPA3-Personal/Enterprise, Wi-Fi Enhanced Open (OWE), Wi-Fi Protected Setup (WPS) 2.0
Other wireless functions	Smart Connect for automatic band steering, independent Wi-Fi schedule ON/OFF, guest network

Features

Operation modes	• Wireless router • Wireless AP
DHCP	Server/client mode, client list, MAC address reservation
Port forwarding	DMZ, UPnP, VPN pass-through (PPTP, IPSec, L2TP, SIP)
Parental control	Per-device configurable internet schedule, allow/block list, DNS-based web filter with built-in database, YouTube, Google, and Bing search integration, supports Google Safe Browsing
Traffic control	• Per-device custom speed, traffic monitoring, per-application limits, and advanced usage reporting • Application Layer (Layer 7) monitoring and management
Network tools	Ping, Traceroute, WoL over Synology QuickConnect integration
Security	• Denial of service (DoS) protection and IP auto block mechanism • SSL certificates with Let's Encrypt integration • Synology Security Advisor • Two-factor authentication
Network separation	Max. number of VLANs: 5
VPN clients	PPTP, OpenVPN™, L2TP over IPSec
IPv6 support	IPv6 DHCP server / client, DS-Lite, 6in4, 6to4, 6rd, Dual-Stack, DHCPv6-PD, IPv6 Relay, FLET's IPv6
Backup solutions	Back up and restore SRM configuration, Time Machine support (with attached USB storage device)
Notifications	Email, SMS, push service (via DS router)
File service	SMB, AFP, FTP/FTPS, WebDAV
FTP server	Bandwidth control for TCP connections, custom FTP passive port range, anonymous FTP, FTP SSL/TLS and SFTP protocols, transfer logs
iOS/Android™ applications	DS router, VPN Plus, DS cloud, DS file, DS get (Android™)
Anywhere access	Synology QuickConnect, Dynamic DNS (DDNS)
Printer support	• Max. number of printers: 1 • Printing protocols: LPR, CIFS, IPP
Advanced functions	Smart WAN — Dual WAN load balancing and failover, policy route, static route, network address translation (NAT), SNMP, SSH, LAN/WLAN IGMP snooping, PPPoE relay
Supported browsers	Google Chrome®, Firefox®, Microsoft Edge®, Safari® 13 and later, and Safari (iOS 13.0 and later) on iPad, Chrome (Android™ 11.0 and later) on tablets
Languages	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文

Add-on Packages

VPN Plus Server[4]	Turn your Synology Router into a powerful VPN server. VPN Plus Server allows secure VPN access through web browsers and clients, with support for various VPN services — WebVPN, Synology SSL VPN, SSTP, RDP, OpenVPN, L2TP over IPSec, and PPTP. Multiple management tools are available to network administrators to regulate and monitor VPN traffic
Threat Prevention	Greatly enhance the security of your router with IDS and IPS systems, designed to safeguard your network against internet threats
Cloud Station Server	Sync data from multiple platforms, centralizing it on the router while easily keeping historical versions of important files
RADIUS Server	Provides centralized authentication, authorization, and accounting for wireless network access
DNS Server	An address server for your local network
Download Station	• Supported download protocols: BT/HTTP/FTP/NZB/eMule • Max. number of concurrent download tasks: 50
Media Server	Stream multimedia directly from your router

Certifications and Packaging

Certification	Wi-Fi Certified, CE, UKCA, TELEC, VCCI, iDA, BSMI, JATE, FCC, NCC, RCM
Environmental safety	RoHS Compliant
Package content	• 1 x WRX560 main unit • 1 x AC power adapter • 1 x RJ-45 LAN cable • 1 x Quick Installation Guide
Warranty[6]	2 years

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

1. Mesh requires additional Synology routers to form a mesh network. Synology RT6600ax, MR2200ac, and RT2600ac routers are mesh capable.
2. Performance figures are obtained through internal testing by Synology. Actual performance may vary depending on the testing environment, usage, and configuration.
3. Dependent on local wireless regulations and client-side implementation.
4. VPN Plus can be activated for free from within SRM.
5. Activation of a free Site-to-Site VPN License is required. For the maximum number of Site-to-Site VPN tunnels, please refer to the product's **specification page**.
6. The warranty period starts from the date of purchase as stated on your receipt. **Learn more** about our limited product warranty policy.