

DSL-AX82U

AX5400 Dual Band WiFi 6 xDSL Modem Router, WiFi 6 802.11ax, ASUS AURA RGB, Lifetime Free Internet Security, Mesh WiFi support, Gear Accelerator, Adaptive QoS, Port Forwarding

- New-generation WiFi 6 - Enjoy ultrafast speeds up to 5400 Mbps with the latest WiFi 6 (802.11ax) and 160MHz channels.
- DSL, Ethernet and Mobile Internet - DSL-AX82U has multiple ways to connect to the internet with a DSL port, Ethernet port, or even an USB port for mobile broadband connection.
- Choose your lighting vibe - Feature ASUS Aura RGB lighting effects that you can choose from a variety of lighting effects and customize lighting to align with specific modes.
- ASUS AiMesh support – Create a flexible, seamless whole-home mesh network with AiMesh-compatible routers.
- Commercial-grade home network security – Lifetime free ASUS AiProtection Pro, powered by Trend Micro™, with WPA3 and advanced Parental Controls to protect your home.



Fast and flexible Carrier-class WiFi

Enjoy the fast, flexible internet connections ever with the ASUS DSL-AX82U dual-band WiFi 6 modem router. It delivers ultrafast WiFi speeds up to 5400 Mbps*, and is packed with multiple connectivity, including DSL port for an ADSL/VDSL connection, and Ethernet port for any fiber or cable-based modems, or even an USB port for 3G/4G/5G mobile broadband connection, which makes it ideal for a ISP upgrade.



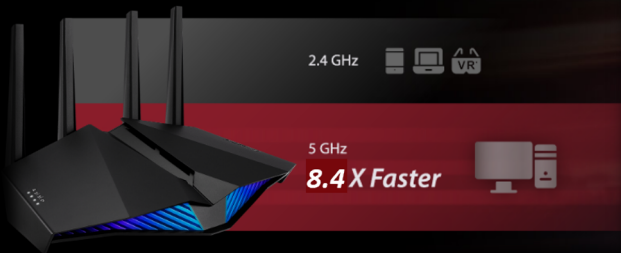
Ultra powerful WiFi 6

Lower latency | Faster speeds | Energy efficient | Longer range

DSL-AX82U brings you all the benefits of WiFi 6 (802.11ax), and works perfectly with all your existing WiFi devices! *



Eliminate WiFi Congestion



Connect your devices to the 5 GHz band and avoid the often-congested 2.4 GHz band, while enjoying up to 8.4X faster WiFi speeds. Also, optional Dynamic Frequency Selection (DFS) unlocks up to 15 of the least-congested channels on the 5GHz band to give you even more bandwidth for video streaming and gaming.*

Disclaimer:

* Actual data throughput and WiFi coverage will vary from network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput and wireless coverage.

Choose Your Lighting Vibe

ASUS DSL-AX82U features ASUS Aura RGB lighting effects that include multi-color modes with hundreds of colors. You can choose from a variety of lighting effects and customize lighting to align with specific modes.



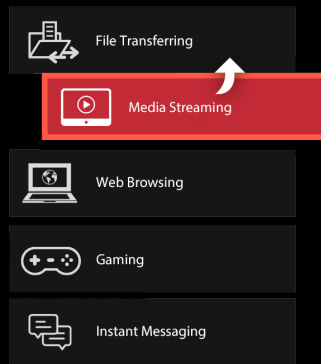


ASUS Aura RGB Supported Controllable Aura RGB LED lighting and software

Aura RGB LED lighting was developed to perfectly complement your gaming rig for a true expression of individuality. DSL-AX82U lets you customize the lighting colors, and choose from a selection of cool lighting effects to create your own unique gaming vibe through the Web GUI and ASUS router APP.



Remove Network Bottlenecks



Adaptive QoS (Quality of Service) lets you keep your network running smoothly by prioritizing network traffic. You can prioritize applications such as streaming video or web surfing, as well as gaming. It's the perfect ally for delivering low-latency WiFi anywhere in your home.

Whole-Home Gaming

Does your router leave you with WiFi dead spots? DSL-AX82U supports ASUS AiMesh, a unique mesh-networking technology that creates a whole-home network using multiple ASUS routers. With easy central control and seamless roaming, even non-experts can set it up with any AiMesh-capable routers you own. Say goodbye to WiFi dead zones!



Commercial-grade Security for Your Home

Home network security is crucial when you have multiple connected devices, and even more so when there are devices without anti-virus capabilities such as IoT devices. DSL-AX82U includes lifetime free AiProtection Pro, including the latest WPA3 security protocol and advanced Parental Controls. Every device is protected with DSL-AX82U, and you can keep an eye on everything that's happening on your network via the handy mobile app.



AiProtection Pro



WPA3 Security Protocol



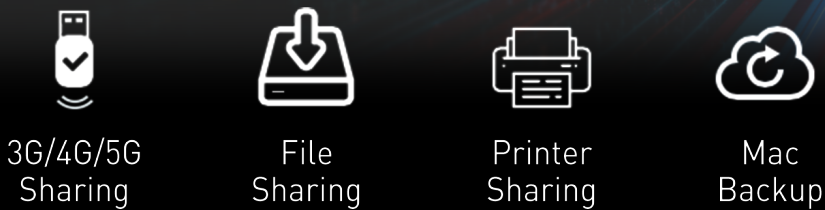
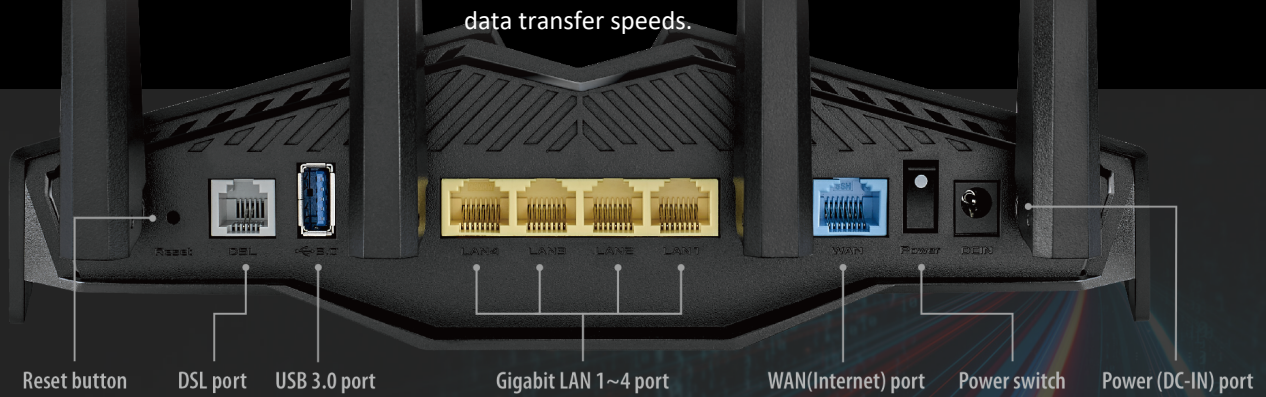
Advanced Parental Controls



Connectivity Options

DSL-AX82U has DSL port, Gigabit WAN port, four Gigabit LAN ports, and USB 3.0 (USB 3.1 Gen 1) port. Smart TV, game consoles, NAS storage devices and more can now have their own dedicated ports, making DSL-AX82U your digital home hub.

With built-in USB 3.0 port, you can connect USB-enabled devices, such as external storage drives, printers, or a 3G/4G/5G dongle to DSL-AX82U and share them conveniently with other users via Wi-Fi. And with USB 3.0, you can enjoy up to 10X faster data transfer speeds.



Easy Management Via Mobile App



- **Traffic Analyzer**
Graphical monitoring of real-time traffic.
- **Network Diagnostics**
Pinpoint your network problems with just one tap.
- **Guest WiFi**
The easy way to share your WiFi securely without difficult passwords.

What's Inside the Box

- DSL-AX82U xDSL Modem WiFi Router
- RJ-45 and RJ-11 cable
- Power adapter
- Warranty card
- Quick start guide

Specifications

- ADSL(A)/ADSL2(A/L/M)/VDSL2 up to 35b
- Wireless Type : 802.11 ax/ac/n/g/a/b
- Wireless Speed : 2.4GHz up to 574 Mbps / 5GHz up to 4804 Mbps
- Wired Connectivity : 4x LAN, 1x WAN, 1x DSL
- USB Ports : 1 x USB 3.0 (USB 3.2 Gen 1)



Official Site



Specifications

ADSL/VDSL Standard	ANSI T1.413 (ADSL), Annex A ITU-T G.992.3 (ADSL2), Annex A/L/M ITU-T G.992.5 (ADSL2+), Annex A/M ITU-T G.993.2 (VDSL2), Up to 35b [300Mbps/100Mbps]
Wi-Fi Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax,
Product Segment	AX5400 ultimate AX performance
Data Rate	802.11ax (2.4GHz) : up to 574 Mbps 802.11ax (5GHz) : up to 4804 Mbps
Antenna	Non-detachable antenna x 4
Transmit/Receive	2.4 GHz 2x2 5 GHz 4x4
Processor	1.5 GHz tri-core processor
Memory	256 MB Flash / 512 MB RAM
Wi-Fi Technology	OFDMA (Orthogonal Frequency Division Multiple Access) Beamforming: standard-based and universal 1024-QAM high data rate 20/40/80/160 MHz bandwidth
Operating Frequency	2.4 GHz / 5 GHz
Encryption	WPA3-Personal, WPA2-Personal, WPA-Personal, WPA-Enterprise , WPA2-Enterprise , WPS support
Firewall & Access Control	Firewall: SPI intrusion detection, DoS protection Access control : Parental control, Network service filter, URL filter, Port filter
Management	UPnP, IGMP v1/v2/v3, DNS Proxy, DHCP, NTP Client, DDNS, Port Trigger, Port Forwarding, DMZ, System Event Log
VPN Support	IPSec Pass-Through PPTP Pass-Through L2TP Pass-Through IPSec server PPTP server OpenVPN server PPTP client L2TP client OpenVPN client
WAN Connection Type	Internet connection type : Automatic IP, Static IP, PPPoE(MPPE supported), PPTP, L2TP
Utilities	Router setup wizard; Firmware restoration; Device discovery; printer setup utility
Ports	RJ11 xDSL port x 1, RJ45 Gigabits BaseT for WAN x 1, RJ45 Gigabits BaseT for LAN x 4, USB 3.1 Gen 1 (USB 3.0) x 1

Features	<p>Router App MU-MIMO Traffic Analyzer Adaptive QoS AiProtection Pro Parental Control Guest Network : 2.4 GHz x 3, 5 GHz x 3 VPN server : PPTP Server, OpenVPN Server, IPSec server VPN client : PPTP client, L2TP client, OpenVPN client NAT Pass-Through : PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, PPPoE relay Mac OS Backup Enhanced media server (AiPlayer app compatible) - Image : - Audio : mp3, wma, wav, pcm, mp4, lpcm, ogg - Video : asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov AiCloud personal cloud service 3G/4G/5G data sharing Printer Server - Multifunctional printer support (Windows only) - LPR protocol support Download Master - Support bt, nzb, http, ed2k - Support encryption, DHT, PEX and magnet link - Upload and download bandwidth control - Download scheduling AiDisk file server - Samba and FTP server with account management Dual WAN IPTV support Roaming Assist OFDMA Beamforming ASUS AURA RGB lighting</p>
Button	Reset Button, Power Switch, LED/WPS Button
LED Indicator	Power x 1 WiFi x 1 LAN x 1 xDSL/WAN x 1
Power Supply	AC Input : 110V~240V(50~60Hz) DC Output : 12 V with max. 2.5 A current
OS Support	Windows [®] 10, 8, 7 Mac OS X 10.6 or above
Dimensions (Product)	with Antenna: 275.5 x 184.4 x 165 mm (WxDxH) ; w/o Antenna: 275.5 x 184.4 x 65 mm (WxDxH)
Weight (Product)	572g
Operation mode	Wireless modem router mode Access point mode Media bridge mode