





cudy

Model: X6

AX1800

4-Stream Dual Band Wi-Fi 6 Router

-  Up to 1.8Gbps Wi-Fi 6 Speed
-  Powerful Dual-Core Processor
-  PPTP/L2TP/OpenVPN/WireGuard VPN Clients
-  Latest and cutting-edge WPA3 Security

Wi-Fi 6

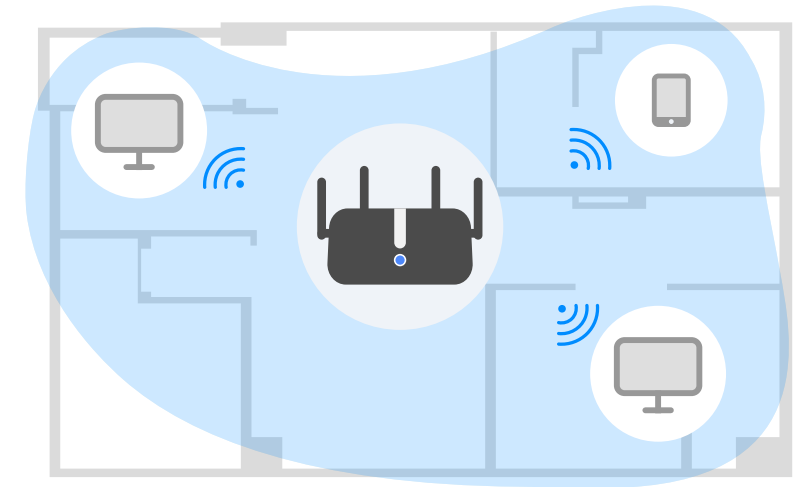
Enjoy Blazing Fast Wi-Fi 6 Speed



[Datasheet](#)

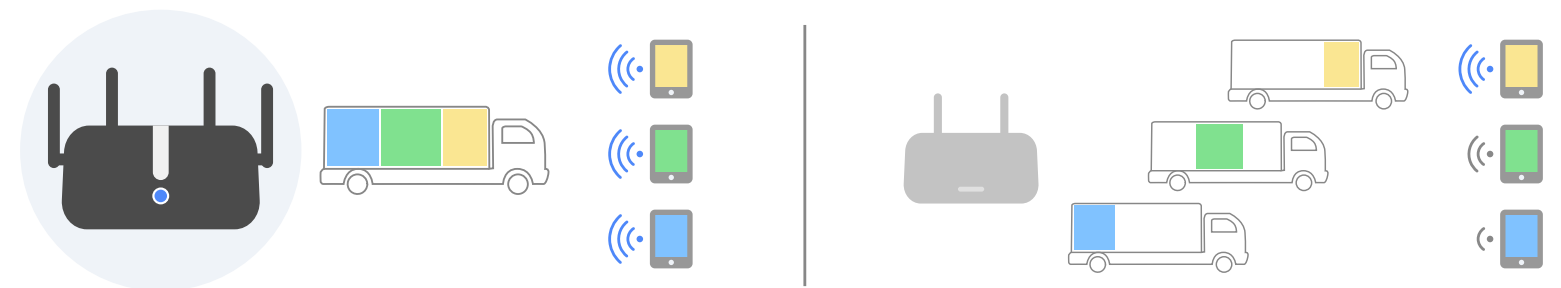


Features



Extensive Coverage: Beamforming, and four antennas combine to deliver focused reception to devices far away.

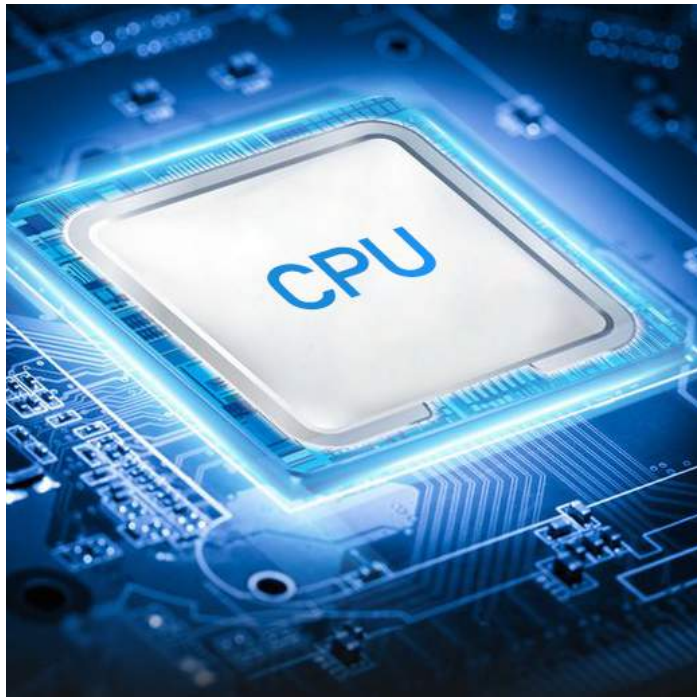
Up to 1.8Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.



More Devices: Wi-Fi 6 uses OFDMA to improve capacity and efficiency of your network, so more devices can connect without slowing down your Wi-Fi.



Hardware



Powerful Dual-Core Processor

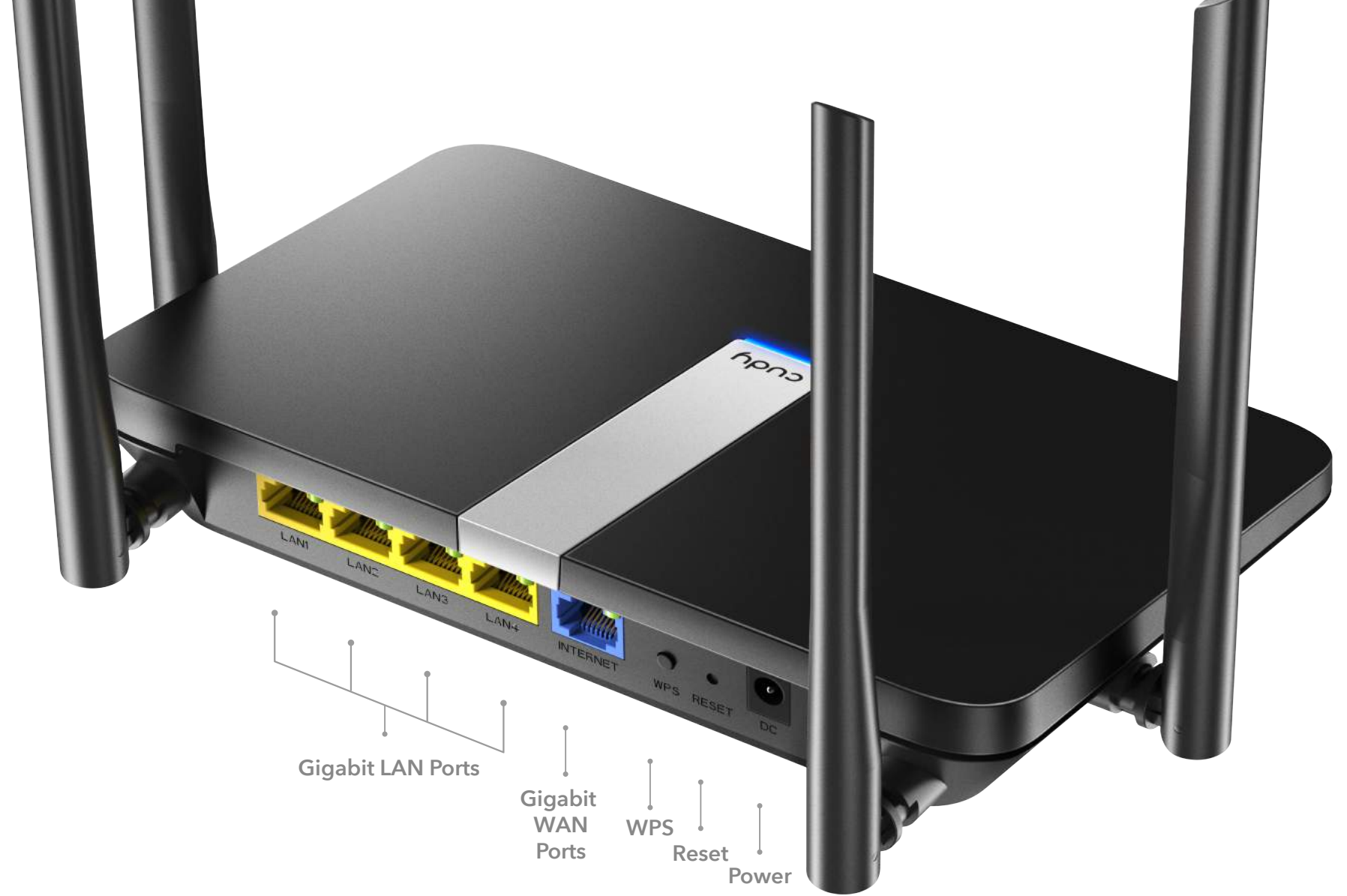
Powerful Dual-Core CPU ensures smooth 4K UHD streaming to Smart TVs, mobile devices and gaming consoles without buffering.

32MB Flash + 256MB DDR

32MB Flash + 256MB DDR

32MB flash design makes the router stable and reliable, ensuring the continuous operation of the system, and provides more space for the file system.

Built-in 256MB DDR makes the product run faster and provides more possibilities for function expansion.



4 x 5dBi High Gain Antennas

High gain antennas boost sensitivity of the router, create connections over greater distances, providing powerful penetration through walls.

5 x Gigabit Ports

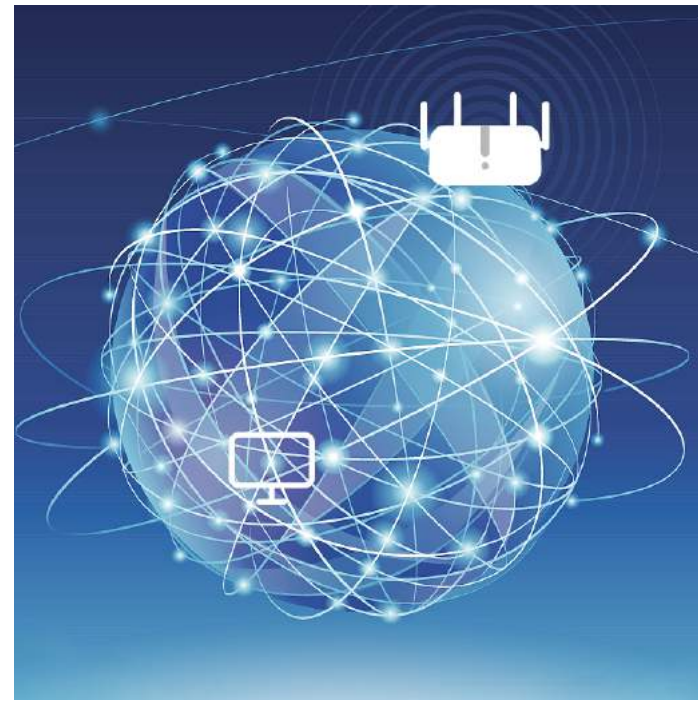
Featured with 5 10/100/1000Mbps ports, greatly expands your network capacity, enabling instant large files transferring.

Software



VPN

With built-in VPN, this router can easily establish a connection to VPN Server to transport all your online data and traffic, securing it with its encryption at the same time.



DDNS

By assigning a custom domain name to your home router's IP address, DDNS function will update automatically as your home IP continues to change. Compatible with 15 more DDNS providers.



WPA3

The latest and cutting-edge Wi-Fi security protocol— WPA3 provides more secure and individualized encryption in personal password safety, protecting your network from wireless hacking.



Guest Network

Guest Network separate guest access from your family network. Maintain high security across your network to help ensure your privacy is safe while online.

Specifications

- Up to 1.8Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.
- Powerful Dual-Core Processor: Powerful Dual-Core CPU ensures smooth 4K UHD streaming to Smart TVs, mobile devices and gaming consoles without buffering.
- Improved Capacity: Wi-Fi 6 uses OFDMA to improve capacity and efficiency of your network, so more devices can connect without slowing down your Wi-Fi.
- Extensive Coverage: Beamforming, independent FEM, and four antennas combine to deliver focused reception to devices far away.
- Pre-installed VPN. With built-in VPN, this router can easily establish a connection to VPN Server to transport all your online data and traffic, securing it with its encryption at the same time.
- Dynamic DNS: DDNS function solves the issue of changing residential IP addresses. By assigning a custom domain name to your home router's IP address, DDNS function will update automatically as your home IP continues to change. Compatible with 15 more DDNS providers.
- WPA3 Security: the latest and cutting-edge Wi-Fi security protocol—WPA3 provides more secure and individualized encryption in personal password safety, protecting your network from wireless hacking.
- Works with Existing Wi-Fi Devices: Backward compatible with Wi-Fi 5 (802.11ac) and earlier generation WiFi standards.

Hardware Features

Processor	Dual-Core Processors
Flash	32MB
DDR	256MB
Antenna	4× Fixed Omni-Directional Antennas
Interface	1× 1000/100/10 Mbps WAN Port 4× 1000/100/10 Mbps LAN Ports
Button	WPS Button, Reset Button
External Power Supply	12 V / 1.5 A
Dimensions (W x D x H)	204.8 x 137. 5 x 38. 3mm

Wireless Features

Wireless Standards	IEEE 802.11ax/ac/n/a 5 GHz IEEE 802.11ax/n/b/g 2.4 GHz
Frequency	5 GHz, 2.4 GHz
Signal Rate	1201 Mbps (5 GHz), 574 Mbps (2.4 GHz) Compatible with 802.11a/b/g/n/ac/ax Wi-Fi standards
Transmit Power	CE: <20dBm(2.4 GHz), <23dBm(5.15 GHz~5.25 GHz) FCC:<30dBm(2.4 GHz & 5.15 GHz~5.825 GHz)
Wireless Modes	Enable/Disable Wireless Radio, WMM WEP, WPA/WPA2,
Wireless Functions	WPA-PSK/WPA2-PSK, WPA3

Software Features

WAN Type	Dynamic IP/Static IP/PPPoE
Management	Parental Control Guest Network
DHCP	Server, DHCP Client List, Address Reservation
Dynamic DNS	Compatible with 15 more DDNS providers.
Guest Network	2.4 GHz guest network × 1 5 GHz guest network × 1
NAT	Port Forwarding, Port Triggering, UPnP, DMZ
VPN Client	PPTP/L2TP/OpenVPN/WireGuard

Others

Package	4-Stream AX1800 Wi-Fi6 Router
Contents	Power Adapter RJ45 Ethernet Cable Quick Installation Guide
System Requirements	Microsoft Windows 98SE/NT/2000/XP/Vista™/7/8/8.1/10, MAC OS, NetWare, UNIX or Linux Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0, or other Java-enabled browser Cable or DSL Modem Subscription with an internet service provider (for internet access)