





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 VPN and DDNS
-  Latest and cutting-edge WPA3 Security

[Datasheet](#)

# Wi-Fi 6

Enjoy Blazing Fast Wi-Fi 6 Speed

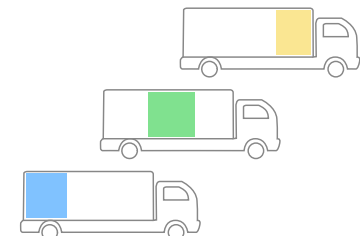
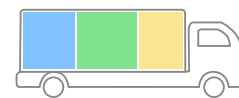




1201 Mbps (5 GHz)

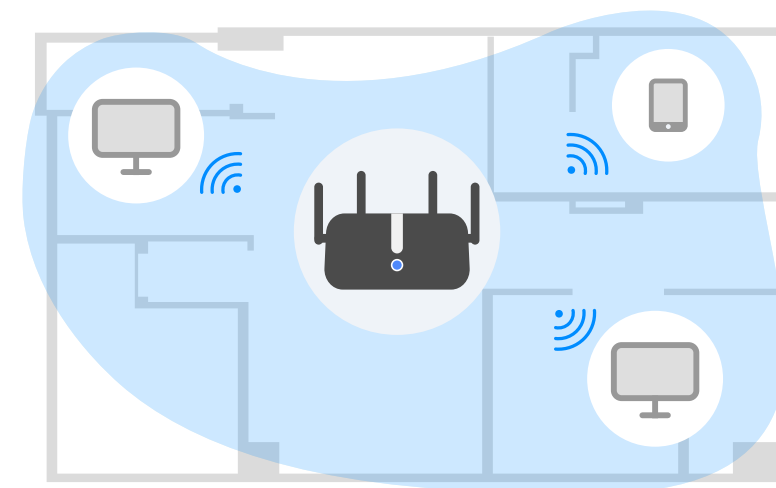
574 Mbps (2.4 GHz)

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.

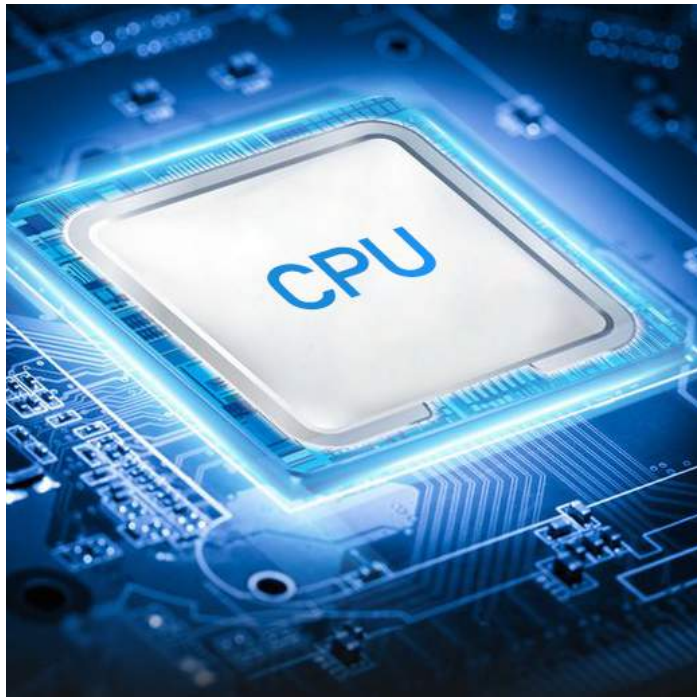
## Features



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



## Hardware



### Powerful Dual-Core Processor

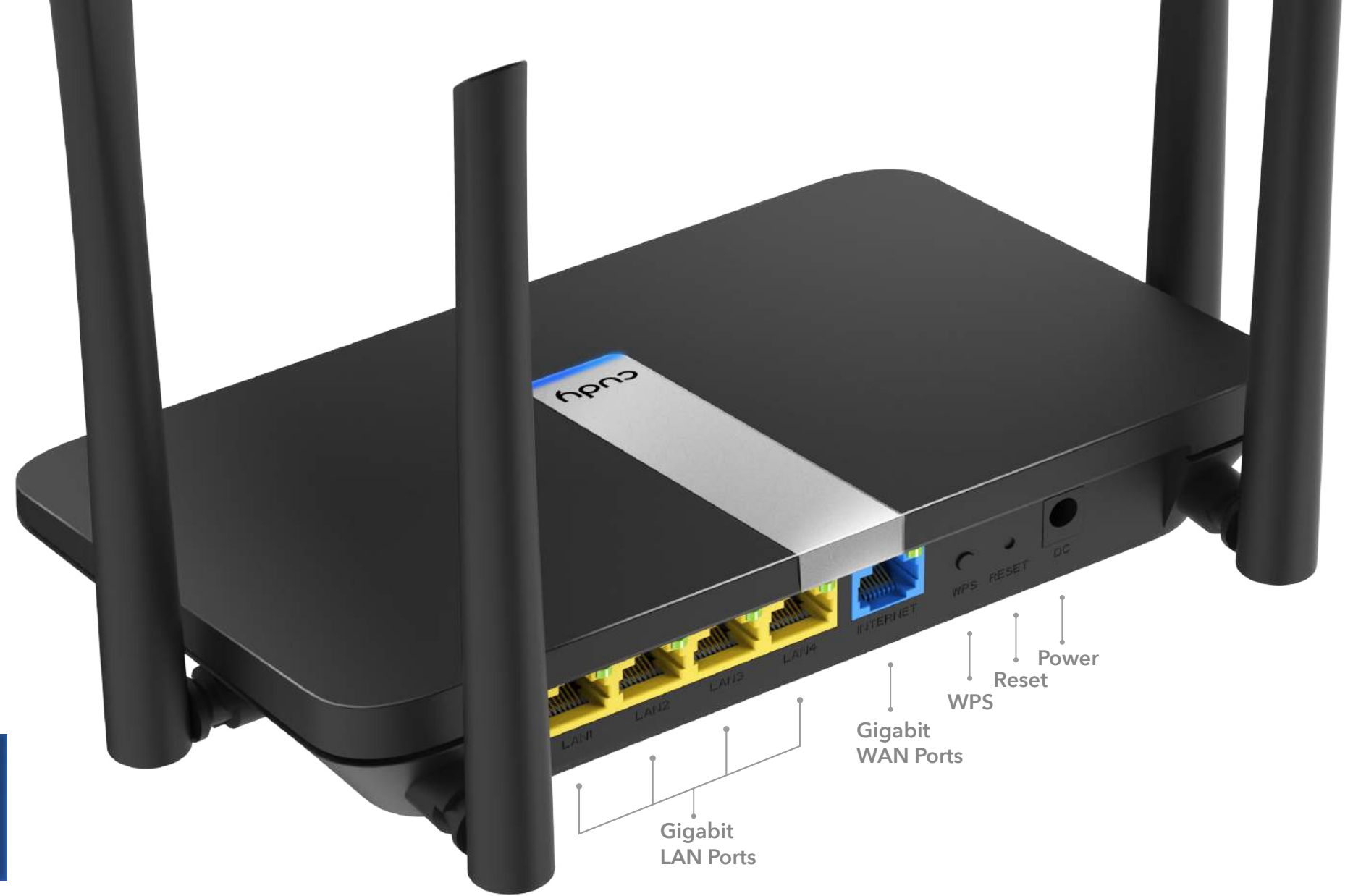
Powerful Dual-Core CPU ensures smooth 4K UHD streaming to Smart TVs, mobile devices and gaming consoles without buffering.

16MB Flash + 128MB DDR

### 16MB Flash + 128MB DDR

16MB 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 128MB 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

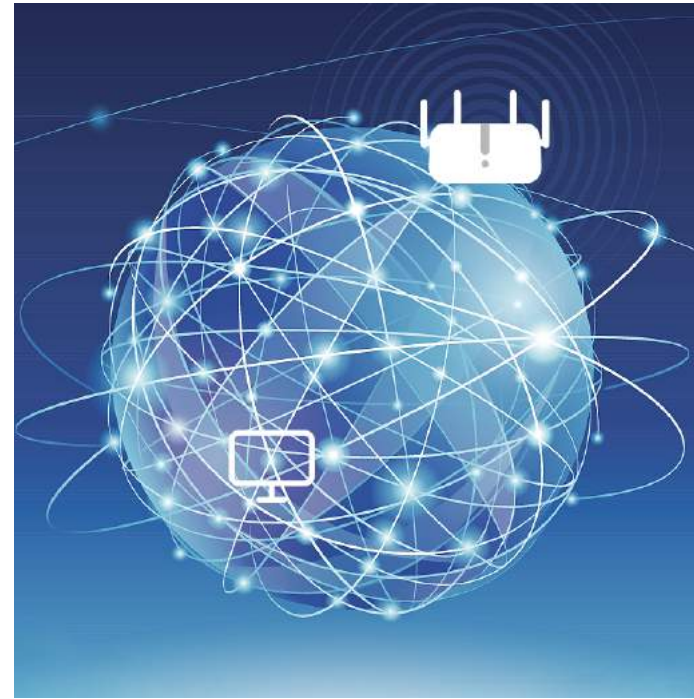
Featured with 5 10/100/1000Mbps ports, greatly expands your network capacity, enabling instant large files transferring.

## 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	16MB
DDR	512MB
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	Microsoft Windows 98SE/NT/2000/XP/Vista™/7/8/8.1/10, MAC OS,
Requirements	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)