

AX1800 Wi-Fi 6 4G Cat18 Router

Model: LT18

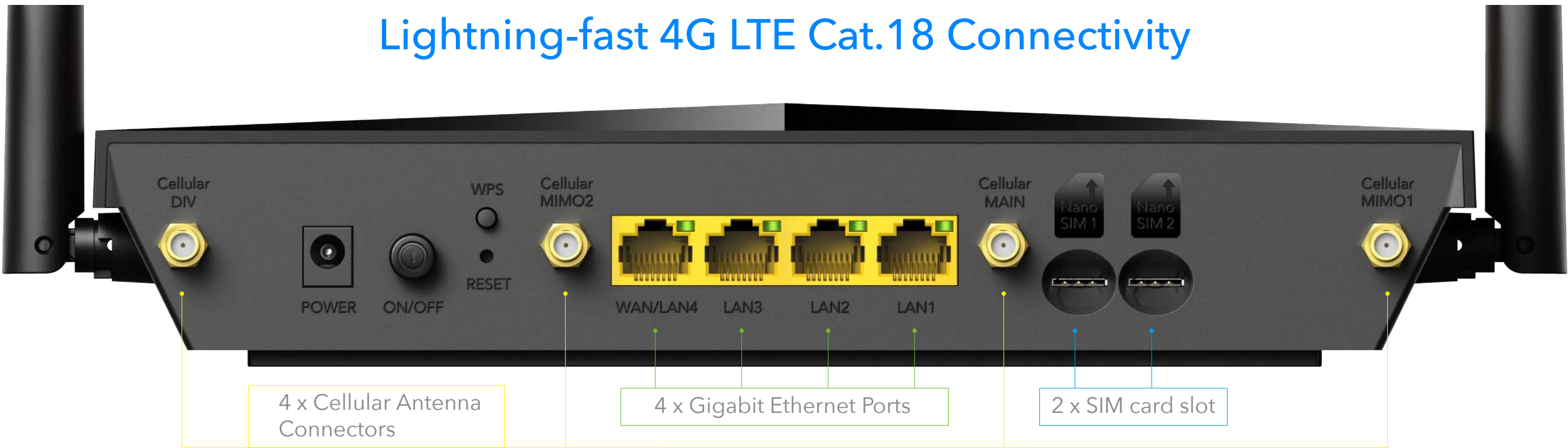


4G LTE-A PRO
Cat.18

Compatible with
802.11ax/ac/a/b/g/n
Wi-Fi 6

**WHOLE HOME
MESH**

Lightning-fast 4G LTE Cat.18 Connectivity



Cat.18
Lightning-fast 4G LTE Cat.18 Connectivity

Wi-Fi6
Next Generation WiFi 6

WAN Internet
4G Backup



The diagram illustrates the 4G backup functionality. It shows two Nano SIM slots labeled 'Nano SIM 1' and 'Nano SIM 2'. A curved arrow indicates a switch between them. Below them is a yellow Ethernet port labeled 'WAN/LAN' and a green SIM card icon labeled 'SIM'. Another curved arrow points from the 'WAN/LAN' port to the 'SIM' card, indicating the backup connection path.

WHOLE HOME
MESH



The diagram shows a mesh network topology with three blue nodes connected by lines, forming a triangle. One node is highlighted with a larger blue circle around it.

VPN
Built-in VPN Server and Client



The diagram features a dark blue background with several bright blue light rays emanating from the center, creating a sense of connectivity and security.

Future-Proof Remote Management with
TR-069



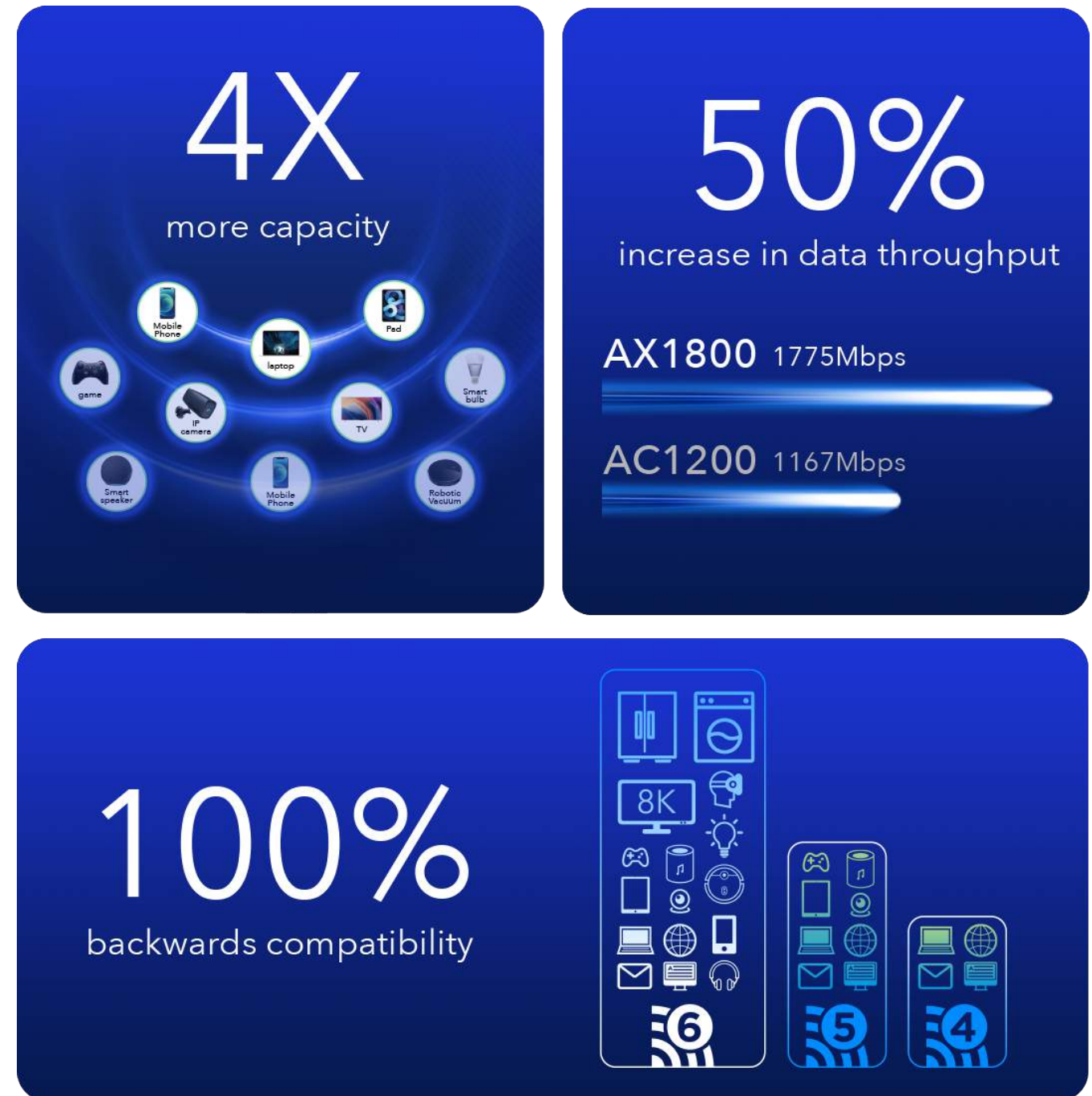
The diagram shows a server rack on the left and a laptop on the right. The laptop screen displays 'TR-069'. A blue line with a circular icon at the end connects the server to the laptop, representing remote management.

Lightning-fast 4G LTE Cat.18 Connectivity

Cudy LT18 employs 3GPP UE downlink Category 18 – the highest level practice LTE-A Pro technology with data rates of up to 1200/150 Mbps.



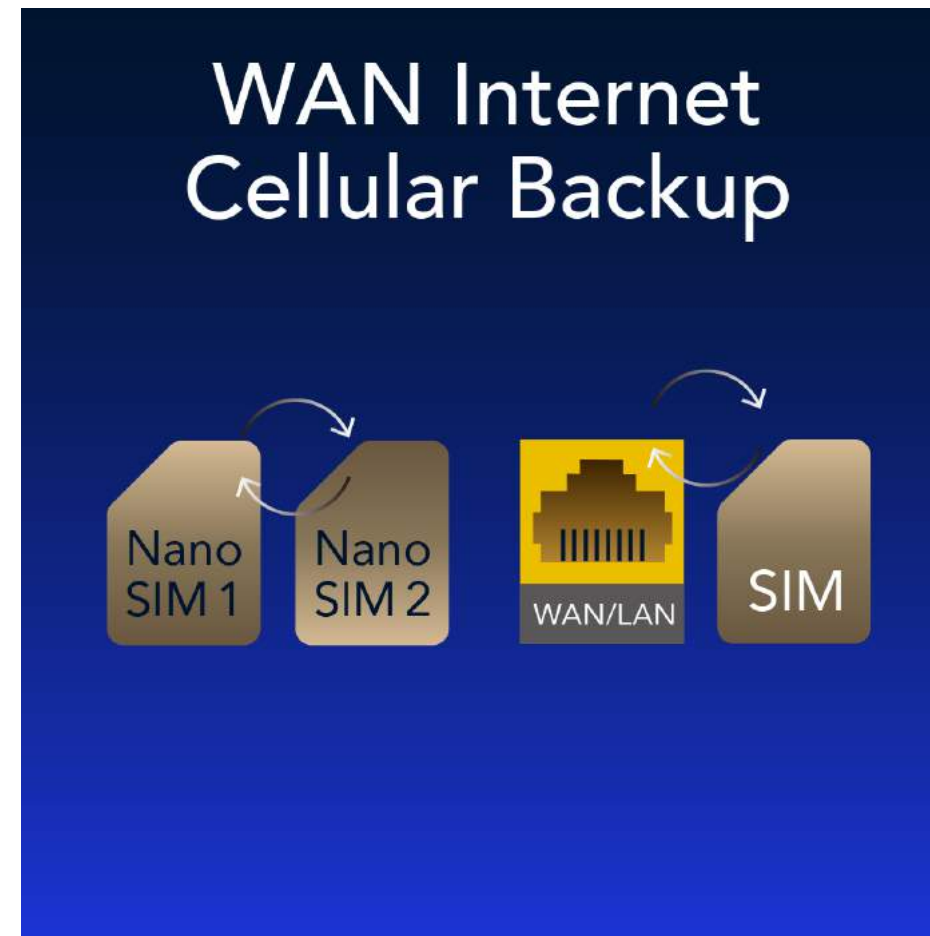
Wi-Fi6 - The most powerful Wi-Fi ever





Redundant SIM Slots

Dual SIM slots provide redundancy and keep the device always online. Both SIM slots can be filled, you can choose whether to use SIM card 1 or SIM card 2, or auto select by Cudy.



WAN Internet, Cellular Backup

Set WAN/LAN port as WAN to enable Cudy use the landline internet from WAN, and 4G connection works as a backup to provide a sustained and reliable internet connection for you.



External SMA Antenna connector

Combined with 4 detachable SMA Antenna interface to connect outdoor cellular antennas for better and stable signal.

Band Lock

Band Select

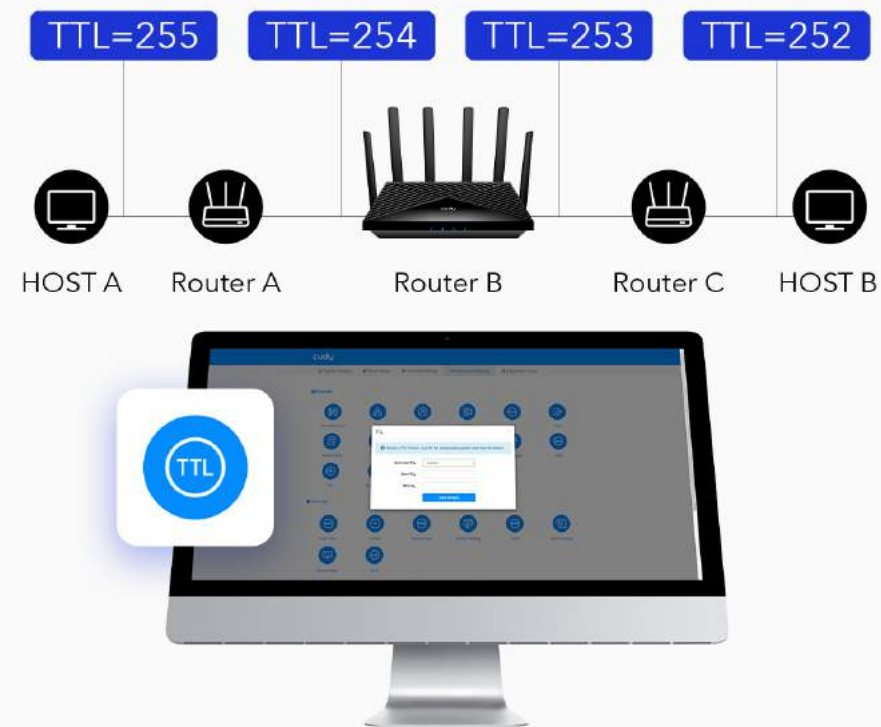


- ☒ B2
- ☒ B4
- ☒ B5
- ☒ B7
- ☒ B12
- ☒ B13
- ☒ B14
- ☒ B25
- ☒ B26
- ☒ B29
- ☒ B30
- ☒ B41
- ☐ B66
- ☒ B71

Band Lock

4G band lock make it possible to lock the 4G working frequency to one or several bands to keep the stability of operation.

TTL Settings



TTL Settings

Support manual set TTL values to meet ISP's requirement (such as Verizon, Visible). Support set IPv4 TTL and IPv6 HL Values.

DNS over TLS



DNS over TLS

Support DNS Encryption with CloudFlare or NextDNS or Google, protects your privacy, prevents eavesdropping and manipulation of DNS data via man-in-the-middle attacks.



Specifications

- 4G LTE advanced CAT.18 CPE
- AX1800 dual band Wi-Fi 6
- Dual Nano SIM slotsčRedundant SIMĐ
- 4 * Gigabit Ethernet Ports (WAN Failover)
- 4 * Detachable Cellular Antennas
- DNS over Cloudflare/NextDNS/Google
- WireGuard/OpenVPN/PPTP/L2TP clients

Hardware

CPU	Mediatek Dual Core 880MHz
5G	Quectel EG18 (Qualcomm)
DRAM	256MB (2Gbit) DDR3
Flash	16MB (128Mbit)
4 x GbE RJ45	1 GbE WAN/LAN + 3 GbE LAN
SIM card slot	2 x SIM Slots (Nano)
Button	1 x WPS Button
	1 x Reset Button
Antennas	2 x Fixed WiFi Antennas
	4 x Detachable Cellular Antennas
LED	LED indicators (Power, WiFi, Internet, Signal)

Data Speed

Wi-Fi	2.4GHz (802.11ax/n/g/b, MIMO 574Mbps)
	5GHz (802.11ax/ac/n/a, MIMO 1201Mbps)
4G Module	LTE FDD: Max 1.2Gbps (DL)/150Mbps (UL)
	LTE TDD: Max 545Mbps (DL)/90.6Mbps (UL)
	DC-HSPA+: 42 Mbps (DL)/11.5 Mbps (UL)
	WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL)

Mobile Frequency Band

LTE Category	Cat 18
LTE Bands	LTE-FDD:B1/B3/B5/B7/B8/B20/B28
	LTE-TDD: B38/B40/B41
WCDMA Bands	B1/B3/B5/B8



Software

DHCP	Server, Client List, Address Reservation
NAT	Port Forwarding, Port Triggering, UPnP, DMZ
Firewall	Mac Filter, IP Filter, Domain Filter
DDNS	Compatible with 15 more DDNS providers
VPN Sever & Client	PPTP/L2TP/OpenVPN/WireGuard/IPSec/Zerotier
DNS over TLS	Cloudflare/NextDNS/Google
Schedule	Schedule Reboot /Wi-Fi Schedule
Internet Protocol version	IPv4/IPv6
IPv6	Relay
	Dynamic(SLAAC/DHCPv6)
	Static (Fixed IP)
	Passthrough
	MAP-E (Dual-stack)
	DS-Lite (Dual-stack)
Quality of Service (QoS)	Support
IPTV / VLAN configuration	Support
TTL configuration	Support
Band Selection	Support
CWMP Protocol	TR069 / TR098 / TR111 / TR181

Other

Physical	Product Dimension: 252.5x161x48.2mm (LxWxH)
	Package Dimension: 408x238x58mm (LxWxH)
Power	AC Power Adapter: Input: 90~260V Output: 12V, 1.5A
	DC input (12V-1.5A) Barrel Plug
Environmental	Operation Temperature: 0° C to +45° C
	Storage Temperature: -40° C to +70° C
	Relative Humidity: 5% to 95% Non-Cond
SMS	Send Message
	Receive Message
	USSD
Package Contents	4G LTE WiFi Router
	Power Adapter
	RJ45 Ethernet Cable
	Quick Installation Guide
System Requirements	Microsoft Windows 98SE/NT/2000/XP/Vista™/7/8/8.1/10/11, MAC OS,NetWare, UNIX or Linux Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0, or other Java-enabled browser Subscription with an internet service provider (for internet access)