

cudy

AX1800 Wi-Fi 6 4G Cat18 Router

Model: LT18



4G LTE-A PRO
Cat.18

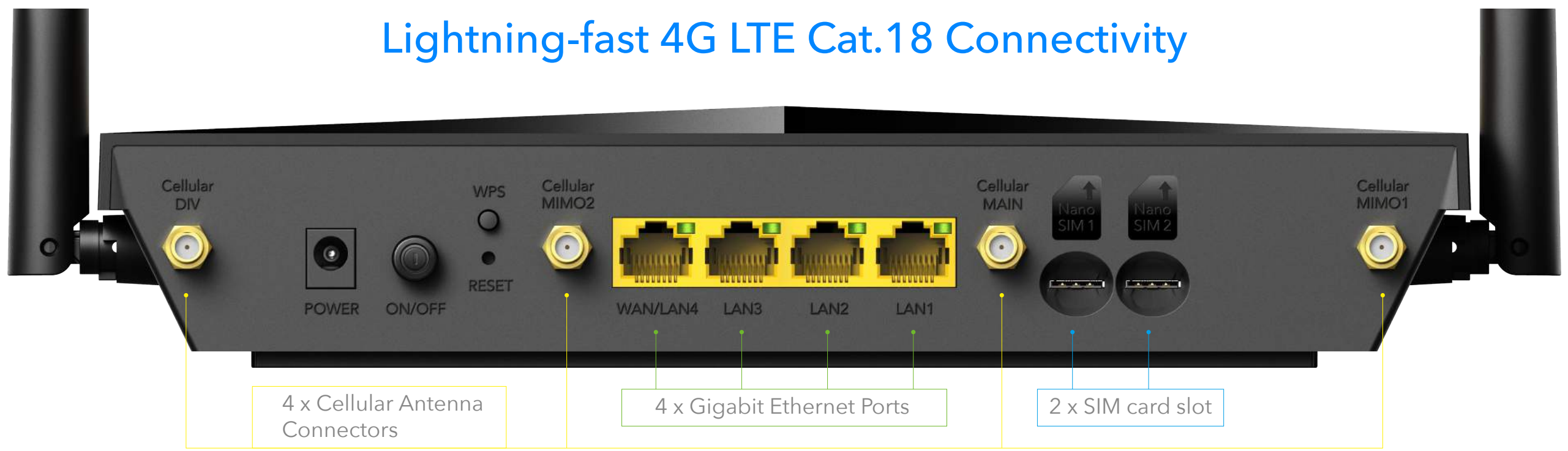
Compatible with
802.11ax/ac/a/b/g/n
Wi-Fi 6

**WHOLE HOME
MESH**

Datasheet



Lightning-fast 4G LTE Cat.18 Connectivity



Cat.18

Lightning-fast 4G LTE Cat.18 Connectivity

Wi-Fi 6

Next Generation WiFi 6

WAN Internet 4G Backup

The diagram illustrates the 4G backup feature. It shows two Nano SIM slots (Nano SIM 1 and Nano SIM 2) with arrows indicating a failover path to a WAN/LAN port, which is then connected to a SIM card.

WHOLE HOME MESH

VPN

Built-in VPN Server and Client

Future-Proof Remote Management with TR-069



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.



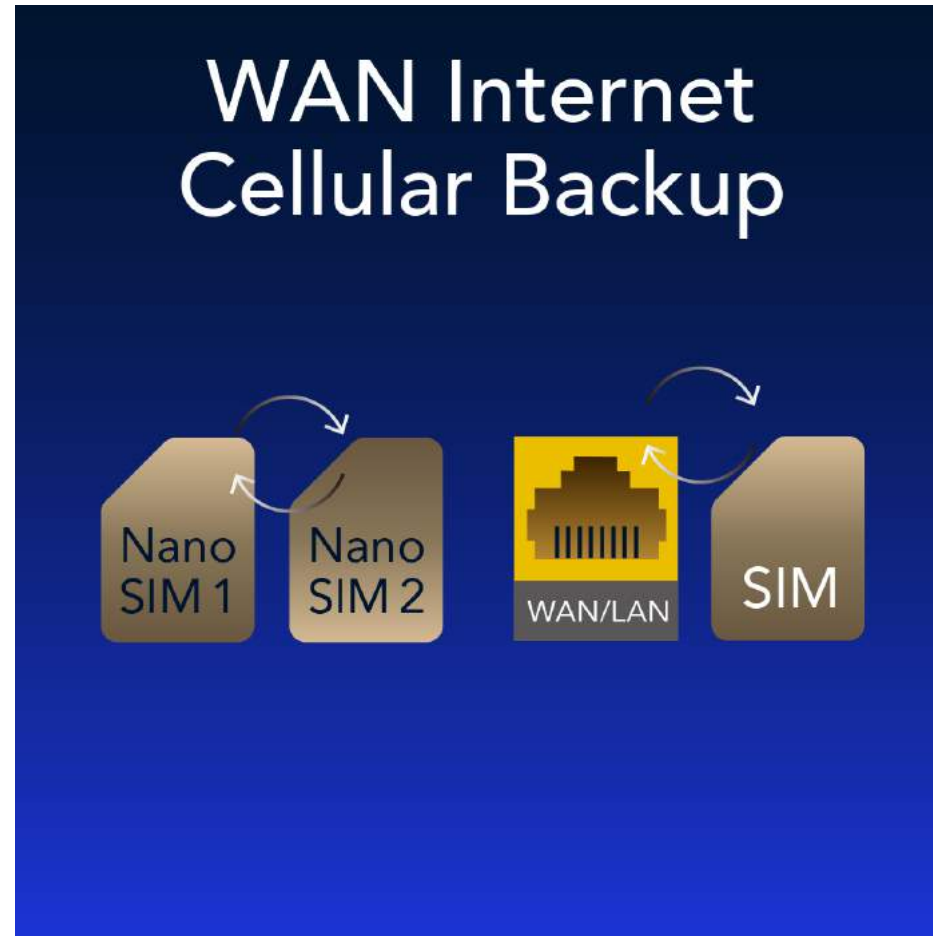
Wi-Fi6 - The most powerful Wi-Fi ever





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.

4G Band Lock

Band Select



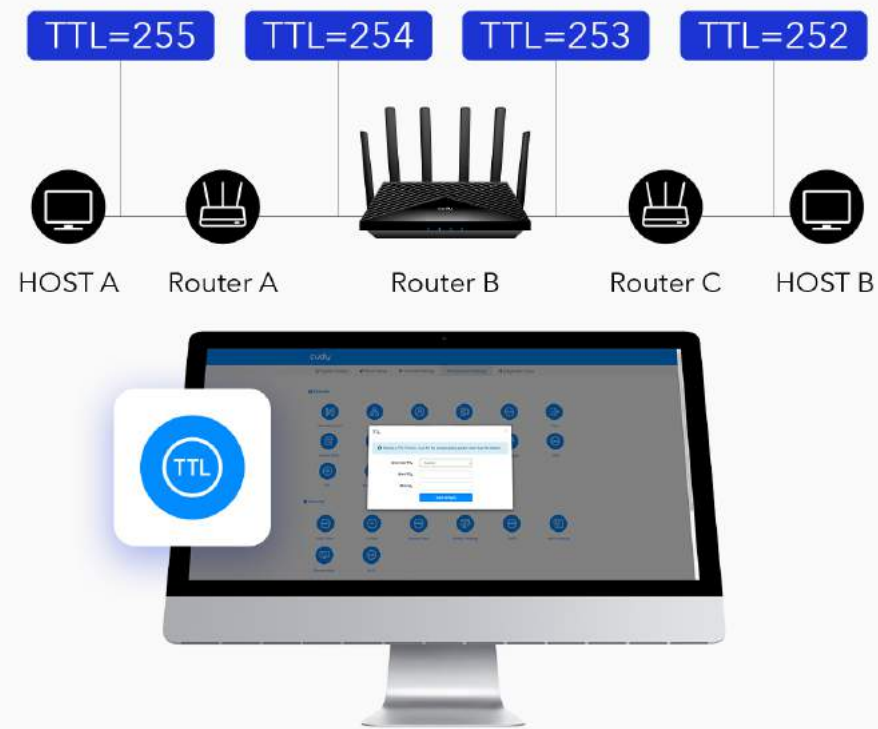
LTE Bands

- B1
- B3
- B5
- B7
- B8
- B20
- B28
- B38
- B40
- B41

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

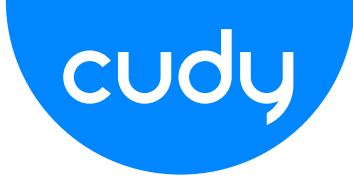
Support manual set TTL values to meet ISP's requirement (such as Verizon, Visible). Support set IPv4 TTL and IPv6 HL Values.

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 slots Redundant SIM
- 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
4G	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