

cudy

AX1800 Wi-Fi 6  
4G Cat18 Router  
Model: LT18



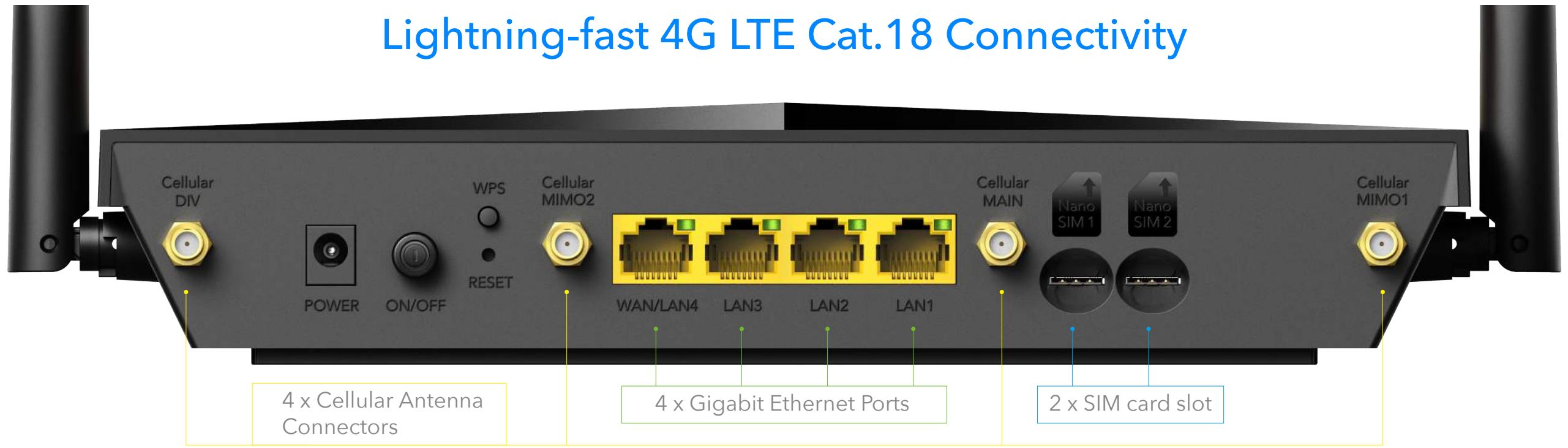
4G LTE-A PRO  
Cat.18

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) connected to a WAN/LAN port, which is in turn connected to a SIM card. Arrows indicate the flow of data and backup between the SIM slots and the WAN/LAN port.

## WHOLE HOME MESH

The icon shows a stylized house with a mesh network overlay, representing the whole home mesh capability.

## VPN

Built-in VPN Server and Client

## Future-Proof Remote Management with TR-069

The icon shows a server rack and a laptop with the label TR-069, representing remote management capabilities.



## 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

**4X**  
more capacity

**50%**  
increase in data throughput

AX1800 1775Mbps

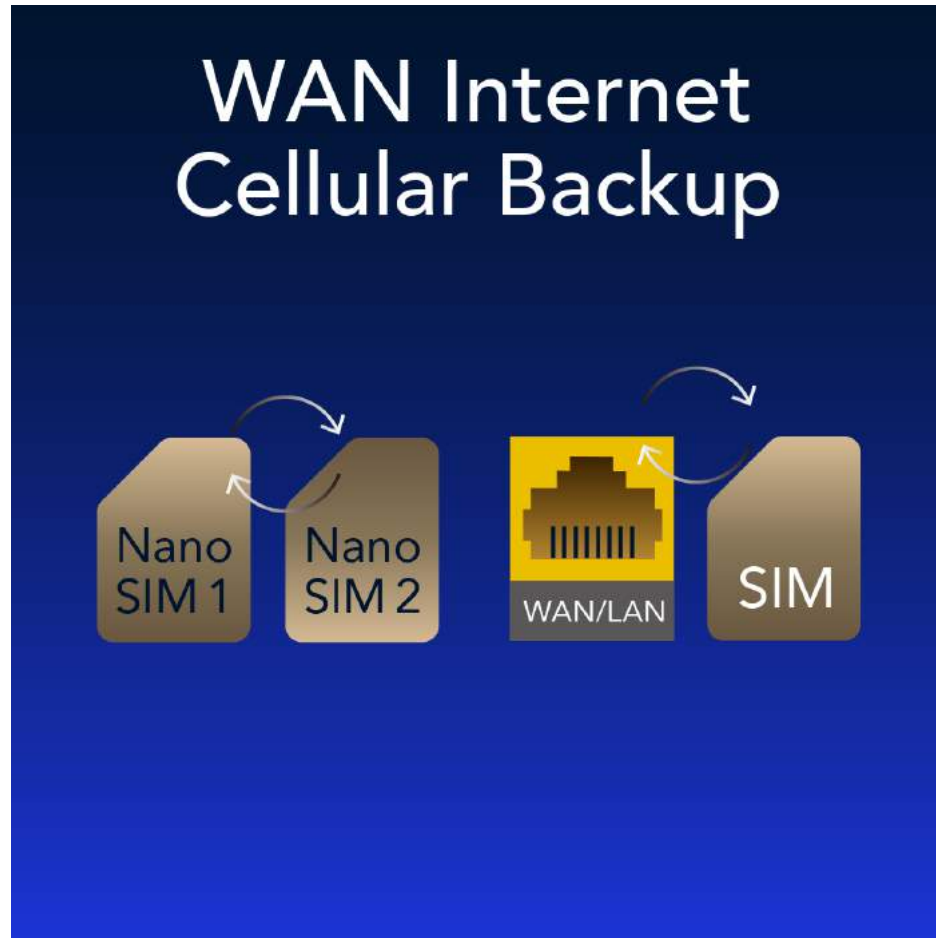
AC1200 1167Mbps

**100%**  
backwards compatibility



### 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



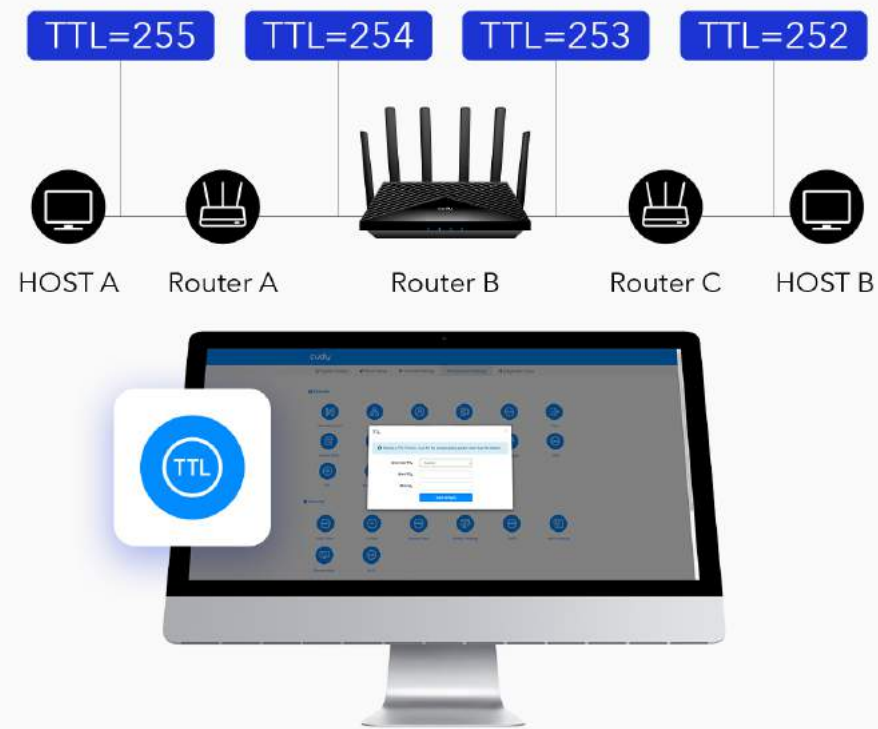
LTE Bands

- 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

## CE DECLARATION OF CONFORMITY

For the following equipment:

**Product Name:** AX1800 Wi-Fi 6 4G Cat18 Router

**Model Number:** LT18

**Trademark:** Cudy

We declare under our own responsibility that the above product satisfies all the technical regulations applicable to the product within the scope of Council Directives:

**Directive 2014/53/EU, Directive 2011/65/EU, Directive (EU) 2015/863**

The above product is in conformity with the following standards or other normative documents:

**EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 301 489-52 V1.2.1**

**EN 55032: 2015+A11:2020**

**EN 55035: 2017+A11:2020**

**EN50663: 2017 EN50566: 2017**

**EN62209-2: 2010+A1:2019**

**EN 62479: 2010**

**EN 300 328 V2.2.2 ETSI EN 301 893 V2.1.1**

**EN 301 908-1 V15.1.1 EN 301 908-13 V13.2.1**

**EN IEC 62368-1: 2020+A11: 2020**

**IEC 62321-1:2013, IEC 62321-2:2021,**

**IEC 62321-3-1:2013, IEC 62321-5:2013,**

**IEC 62321-4:2013+AMD1:2017 CSV,**

**IEC 62321-6:2015, IEC 62321-7-1: 2015,**

**IEC 62321-7-2:2017, IEC 62321-8:2017**

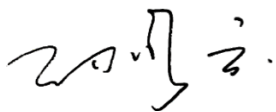
Person responsible for making this declaration:

Sun Qiaoyun

Regulatory Compliance Manager

Place of issue: Shenzhen, China

Date of issue: 2022-8-23



Shenzhen Cudy Technology Co., Ltd.

Room A606, Gaoxinqi Industrial Park, Liuxianyi Road, Baoan District, Shenzhen, China

[www.cudy.com](http://www.cudy.com)

## ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ

Για τον ακόλουθο εξοπλισμό:

**Όνομα Προϊόντος:** AX1800 Wi-Fi 6 4G Cat18 Router

**Αριθμός Μοντέλου:** LT18

**Εμπορικό Σήμα:** Cudy

Διακηρύσσουμε με κάθε ευθύνη ότι το παραπάνω προϊόν συμμορφώνεται με όλους τους τεχνικούς κανονισμούς που ισχύουν για το προϊόν, εντός του αντικειμένου των Κοινοτικών

Οδηγιών:

**Οδηγία 2014/53/ΕΕ, Οδηγία 2011/65/ΕΕ, Οδηγία (ΕΕ) 2015/863**

Το παραπάνω προϊόν βρίσκεται σε συμμόρφωση με τα ακόλουθα πρότυπα ή άλλα έγγραφα συμμόρφωσης

**EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 301 489-52 V1.2.1**

**EN 55032: 2015+A11:2020**

**EN 55035: 2017+A11:2020**

**EN50663: 2017 EN50566: 2017**

**EN62209-2: 2010+A1:2019**

**EN 62479: 2010**

**EN 300 328 V2.2.2 ETSI EN 301 893 V2.1.1**

**EN 301 908-1 V15.1.1 EN 301 908-13 V13.2.1**

**EN IEC 62368-1: 2020+A11: 2020**

**IEC 62321-1:2013, IEC 62321-2:2021,**

**IEC 62321-3-1:2013, IEC 62321-5:2013,**

**IEC 62321-4:2013+AMD1:2017 CSV,**

**IEC 62321-6:2015, IEC 62321-7-1: 2015,**

**IEC 62321-7-2:2017, IEC 62321-8:2017**

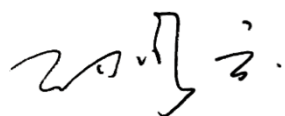
Υπεύθυνος για τη δήλωση αυτή:

Sun Qiaoyun

Διευθυντής κανονιστικής συμμόρφωσης

Τόπος έκδοσης: Shenzhen, Κίνα

Ημερομηνία έκδοσης: 2022-8-23



Shenzhen Cudy Technology Co., Ltd.

Room A606, Gaoxinqi Industrial Park, Liuxianyi Road, Baoan District, Shenzhen, China

[www.cudy.com](http://www.cudy.com)