cudy

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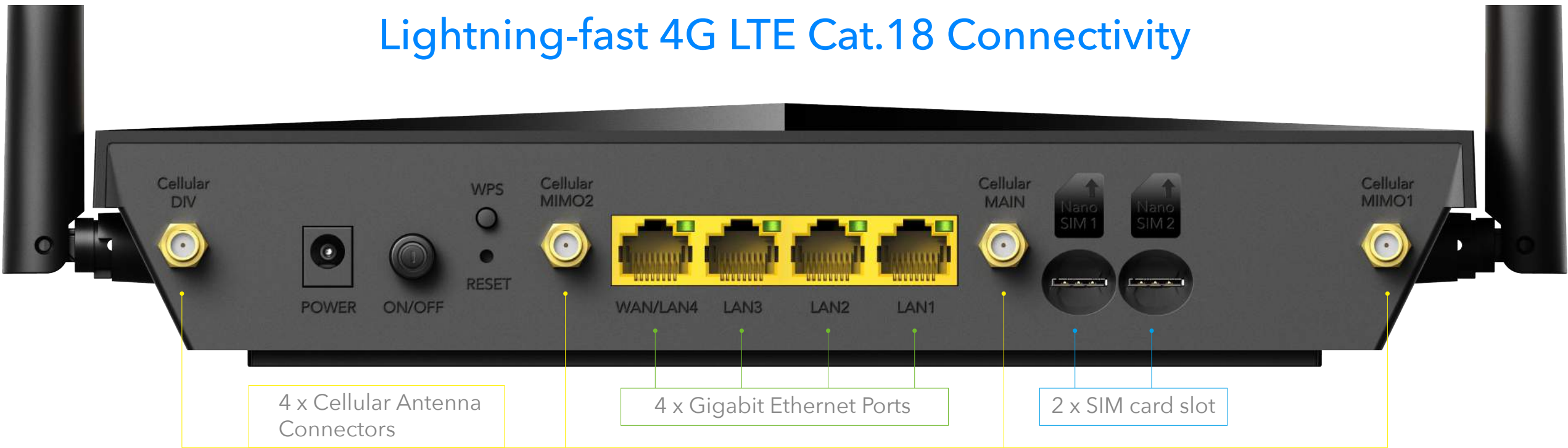## Model: LT18

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

Cellular DIV

WPS

Cellular MIMO2

Cellular MAIN

Nano SIM 1

Nano SIM 2

Cellular MIMO1

POWER ON/OFF RESET

WAN/LAN4 LAN3 LAN2 LAN1

4 x Cellular Antenna Connectors

4 x Gigabit Ethernet Ports

2 x SIM card slot

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

Wi-Fi6
Next Generation WiFi 6

WAN Internet 4G Backup
Nano SIM 1   Nano SIM 2   WAN/LAN   SIM

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.

5CA
4X4 MIMO

1.2Gbps DL
CAT 18

600Mbps DL
CAT 12

300Mbps DL
CAT 6

150Mbps DL
CAT 4

Wi-Fi6 - The most powerful Wi-Fi ever

4X
more capacity

Mobile Phone
Pad
laptop
game
IP camera
TV
Smart bulb
Smart speaker
Mobile Phone
Robotic Vacuum

50%
increase in data throughput

AX1800   1775Mbps

AC1200   1167Mbps

100%
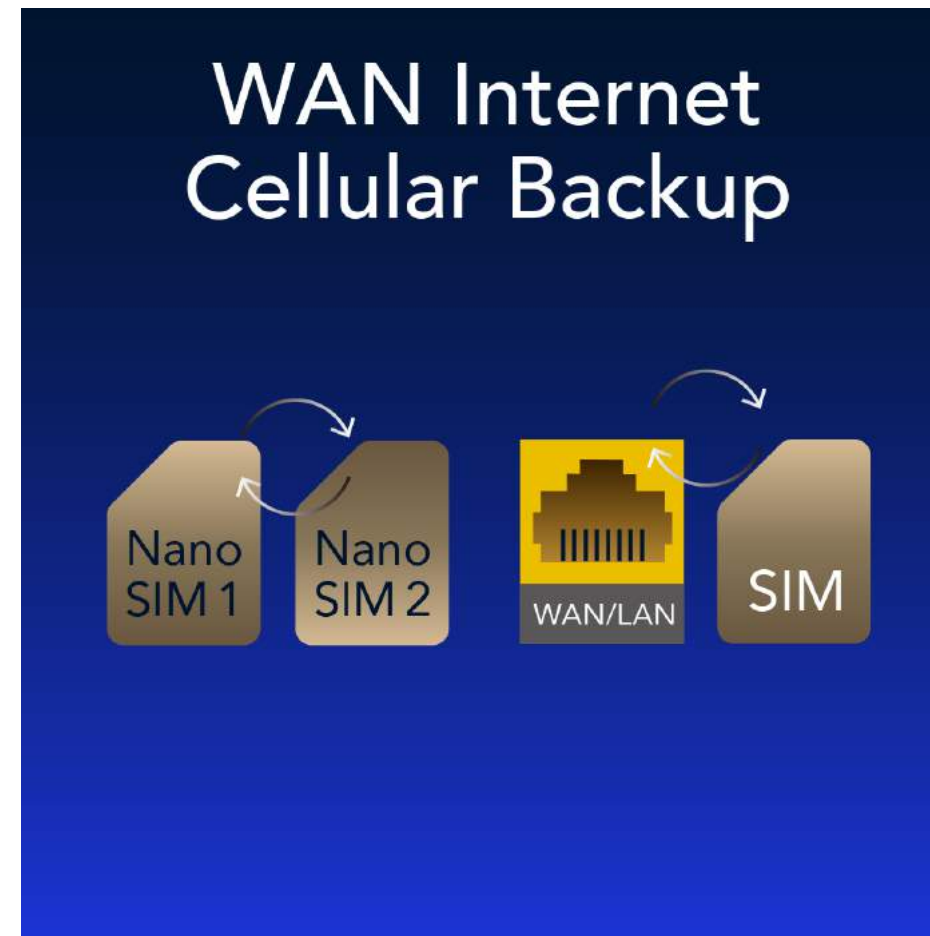backwards compatibility

8K

6   5   4
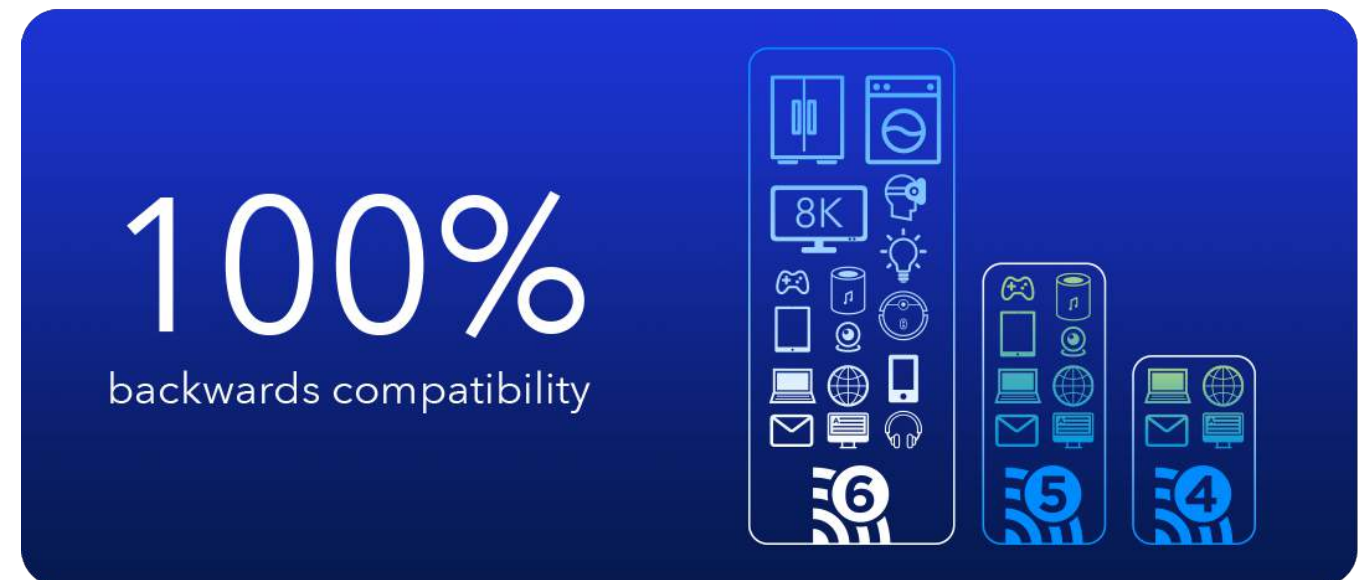
Redundant SIM Slots

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.
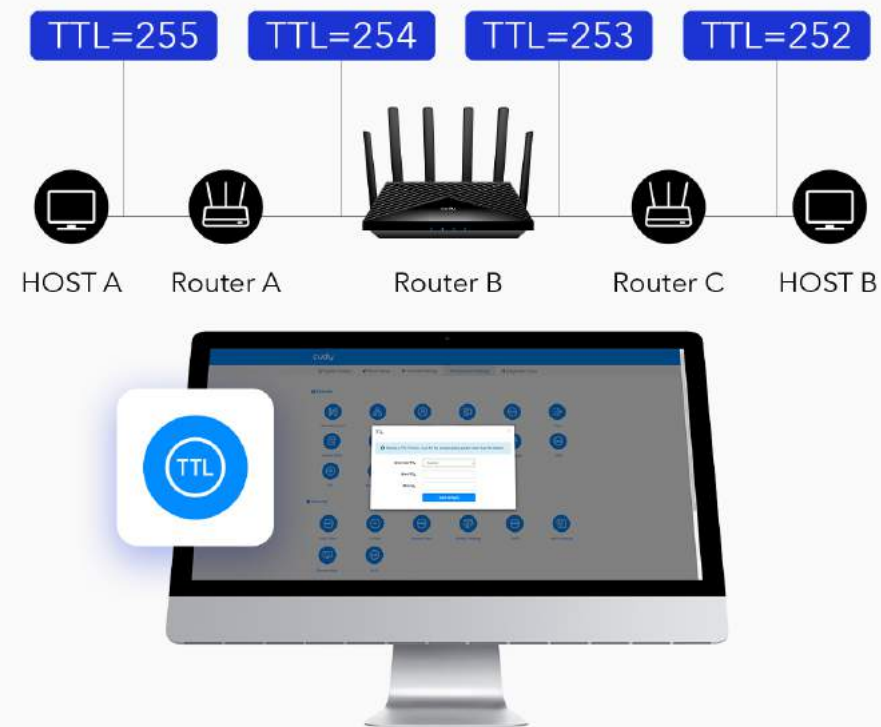
Band Lock

Band Select

[toggle: on]

- ◉ B2
- ◉ B4
- ◉ B5
- ◉ B7
- ◉ B12
- ◉ B13
- ◉ B14
- ◉ B25
- ◉ B26
- ◉ B29
- ◉ B30
- ◉ B41
- ○ B66
- ◉ B71

TTL Settings

TTL=255 TTL=254 TTL=253 TTL=252

HOST A   Router A   Router B   Router C   HOST B

TTL

DNS over TLS

CLOUDFLARE

NextDNS

Google

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

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

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

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)

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)

Mobile Frequency Band

LTE Category	Cat 18
LTE Bands	LTE-FDD: B2/B4/B5/B7/B12/B13/B14/B17/
	B25/B26/B29/B30/B66/B71
	LTE-TDD: B41
WCDMA Bands	B2/B4/B5