



Networking Product Guide

www.cudy.com

BE11000

2.5G Mesh Wi-Fi 7 Router



Model: WR11000



cudy

Shenzhen Cudy Technology Co., Ltd. is a tech-driven company in the networking & telecommunication industry, providing reliable networking solutions to consumers, small-medium enterprises, and Internet service providers. Established in the year 2018 and headquartered in Shenzhen, Cudy strives to provide worldwide users with “Cool”, “Unique”, and “Distinctive” products covering Wi-Fi routers, Mesh systems, 4G/5G routers, PoE, switches, business Wi-Fi, and outdoor/industrial networking equipment.

Create Unique Everyday

When our sharing and exchanging natures clash with the digital barriers, Cudy pledges to make high-performance yet easy-to-use communication technology to help people experience extraordinary and purposeful daily lives. This is also a motto that encourages Cudy to deliver innovation everyday.

Certified as China National
High-Tech Enterprise 2022-2025



Passed **ISO 9001, ISO 14001,**
and **BSCI** Audition

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Trade with purpose

Member of amfori, the leading global business
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We participate in amfori **BSCI**.



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Supercharged Speed. Unrivaled Performance.

Multi-Gig Wi-Fi that even a Phone can Achieve

Wi-Fi 7, for the first time, enables one device to utilize multiple Wi-Fi bands simultaneously. This MLO feature, enhanced QAM modulation, and a broad EHT320 channel width, open the era that a client with two antennas can also achieve multi-Gig speed.

MLO	4K-QAM	320 MHz
Avg 120% ↑	20% ↑	100% ↑

Wi-Fi 7 Multi-Band Simultaneous Transmission



Legacy Locked to one Band



Connect More, Stay Responsive

Wi-Fi 7 fractionates the congested channels into usable resources units (RU) and easily keeps the transmission at the top speed. This means you can add as many as devices you wish while keeping multiple 8K streaming smooth.



Multi-RU

solves blocked channels

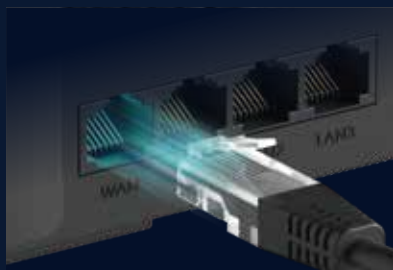
Preamble Puncturing

forms RU into wide channels



1.5 GHz Quad-Core CPU

A powerful Wi-Fi 7 CPU provides phenomenal computing power to keep your network responsive.



Four 2.5G Ports

Enjoy multi-Gig both on wireless and wire. Connect to NAS and Creative PC for boosted productivity.



VPN Server and Client

Six popular VPN protocols enable convenient VPN sharing and secure remote access.



BE11000 2.5G Mesh Wi-Fi 7 Router
WR11000

- Max 5760 (EHT320 2T2R) + 4320 + 688 Mbps
- High-Power External FEMs
- 1x 2.5G WAN Port, 3x 2.5G LAN Ports
- Power On/Off Button, WPS Button, Reset Button
- MLO, 4K-QAM, Multi-RU, Puncturing
- DL/UL OFDMA, DL/UL MU-MIMO
- WPA3 Wi-Fi Encryption
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
- DNS over TLS with Cloudflare/Google/Quad9
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



BE6500 2.5G Mesh Wi-Fi 7 Router
WR6500

- Max 5760 Mbps (EHT160 4T4R) + 688 Mbps
- External FEMs
- 1x 2.5G WAN Port, 4x Gigabit LAN Ports
- Power On/Off Button, WPS Button, Reset Button
- MLO, 4K-QAM, Multi-RU, Puncturing
- DL/UL OFDMA, DL/UL MU-MIMO
- WPA3 Wi-Fi Encryption
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
- DNS over TLS with Cloudflare/Google/Quad9
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



BE3600 2.5G Mesh Wi-Fi 7 Router
WR3600H

- Max 2880 (EHT160 2T2R) + 688 Mbps
- External FEMs
- 1x 2.5G WAN Port, 4x Gigabit LAN Ports
- WPS Button, Reset Button
- MLO, 4K-QAM, Multi-RU, Puncturing
- DL/UL OFDMA, DL/UL MU-MIMO
- WPA3 Wi-Fi Encryption
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
- DNS over TLS with Cloudflare/Google/Quad9
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



BE3600 Gigabit Mesh Wi-Fi 7 Router
WR3600

- Max 2880 (EHT160 2T2R) + 688 Mbps
- External FEMs
- 1x Gigabit WAN Port, 4x Gigabit LAN Ports
- WPS Button, Reset Button
- MLO, 4K-QAM, Multi-RU, Puncturing
- DL/UL OFDMA, DL/UL MU-MIMO
- WPA3 Wi-Fi Encryption
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
- DNS over TLS with Cloudflare/Google/Quad9
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181

*EasyMesh is optional for service provider orders.

Wi-Fi Mesh Routers



AX3000 2.5G Mesh Wi-Fi 6 Router WR3000H

- 2402 Mbps (5 GHz, HE160) + 574 Mbps (2.4 GHz)
- 1x 2.5G WAN Port, 4x Gigabit LAN Ports
- WPS Button, Reset Button
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



AX3000 Gigabit Mesh Wi-Fi 6 Router WR3000S

- 2402 Mbps (5 GHz, HE160) + 574 Mbps (2.4 GHz)
- 1x Gigabit WAN Port, 4x Gigabit LAN Ports
- WPS Button, Reset Button
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



AX3000 Gigabit Mesh Wi-Fi 6 Router WR3000

- 2402 Mbps (5 GHz, HE160) + 574 Mbps (2.4 GHz)
- 1x Gigabit WAN Port, 3x Gigabit LAN Ports
- WPS Button, Reset Button
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



AX1800 Gigabit Mesh Wi-Fi 6 Router X6

- 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1x Gigabit WAN Port, 4x Gigabit LAN Ports
- WPS Button, Reset Button
- Router/AP/RE/WISP/Cudy Mesh
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



AC1200 Gigabit Mesh Wi-Fi Router WR1300

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1x Gigabit WAN Port, 4x Gigabit LAN Ports
- WPS Button, Reset Button
- VPN Server, VPN Client, DNS over TLS
- Router/AP/RE/WISP/Cudy Mesh
- IPv6/IPv4, IPTV/VLAN
- TR069/TR098/TR111/TR181



AC1200 Gigabit Mesh Wi-Fi Router WR1300E ver. 2.0

- AC1200 Dual-Band Wi-Fi
- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1x Gigabit WAN Port, 2x Gigabit LAN Ports
- WPS Button, Reset Button
- VPN Server, VPN Client, DNS over TLS
- Router/AP/RE/WISP/Cudy Mesh
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



AX1500 Gigabit Wi-Fi 6 Router
WR1500

- 1201 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- OFDMA, MU-MIMO
- 1x Gigabit WAN Port, 3x Gigabit LAN Ports
- WPS Button, Reset Button
- Router/AP
- IPv4, TR069



AC1200 Wi-Fi Router
WR1200

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1x 10/100M WAN, 4x 10/100M LAN Ports
- WPS Button, Reset Button
- VPN Client
- 4-IN-1 Router/AP/RE/WISP
- IPv6/IPv4, IPTV/VLAN
- TR069/TR098/TR111/TR181



AC1200 Wi-Fi Router
WR1200E

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1x 10/100M WAN Port, 3x 10/100M LAN Ports
- WPS Button, Reset Button
- VPN Client
- 4-IN-1 Router/AP/RE/WISP
- IPv6/IPv4, IPTV/VLAN
- TR069/TR098/TR111/TR181



N300 Wi-Fi Router
WR300

- 300 Mbps (2.4 GHz)
- 1x 10/100M WAN Port, 3x 10/100M LAN Ports
- WPS Button, Reset Button
- VPN Client, DNS over TLS
- 4-IN-1 Router/AP/RE/WISP
- IPv6/IPv4, IPTV/VLAN
- TR069/TR098/TR111/TR181

Tailored for Internet Service Providers

TR069/TR098/TR111/TR181

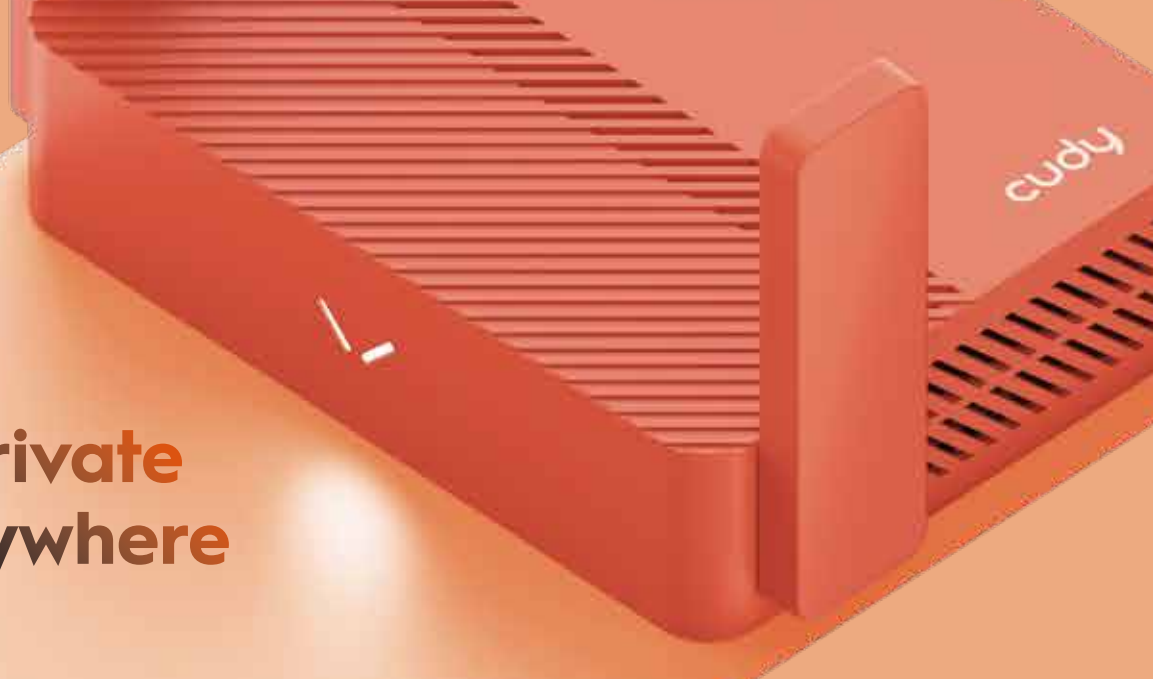
CWMP (CPE WAN Management) offers structured remote management for customer-premises equipment (CPE). Most Cudy gateway products support multiple protocols, including TR069/TR098/TR111/TR181.

ISP Preset

Customize default settings, such as IPTV/VLAN, and enable users to reset the device without messing up important config, saving maintenance costs.



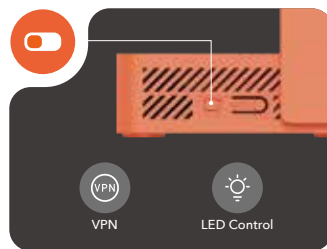
Create Private Wi-Fi Anywhere



Lighter, Smaller than Phones



Power with your Laptop



Configurable Switch



Host Your Own NAS



AX3000 2.5G Wi-Fi 6 Travel Router

TR3000

Wi-Fi 6

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
- Beamforming

Interfaces

- 1x 2.5 Gbps WAN Port
- 1x Gigabit LAN Port
- 1x USB-A 3.0 Port
- 1x USB-C for Power Supply

Buttons

- 1x Configurable Switch, 1x Reset Button

Software

- File Sharing
- PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier
- DNS over TLS with Cloudflare/Google/Quad9
- 6-IN-1 Router/AP/RE/WISP/Client/Mesh



AC1200 Wi-Fi Travel Router

TR1200

Wi-Fi

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- MU-MIMO, Beamforming

Interfaces

- 1x 10/100 Mbps WAN Port
- 1x 10/100 Mbps LAN Port
- 1x USB-A Port
- 1x USB-C for Power Supply

Buttons

- 1x Configurable Switch, 1x Reset Button

Software

- File Sharing
- PPTP/L2TP/ IPSec/WireGuard/OpenVPN/Zerotier
- DNS over TLS with Cloudflare/Google/Quad9
- 6-IN-1 Router/AP/RE/WISP/Client/Mesh

Looking for Mobile WiFi? Check MF4 on page 16

AX3000

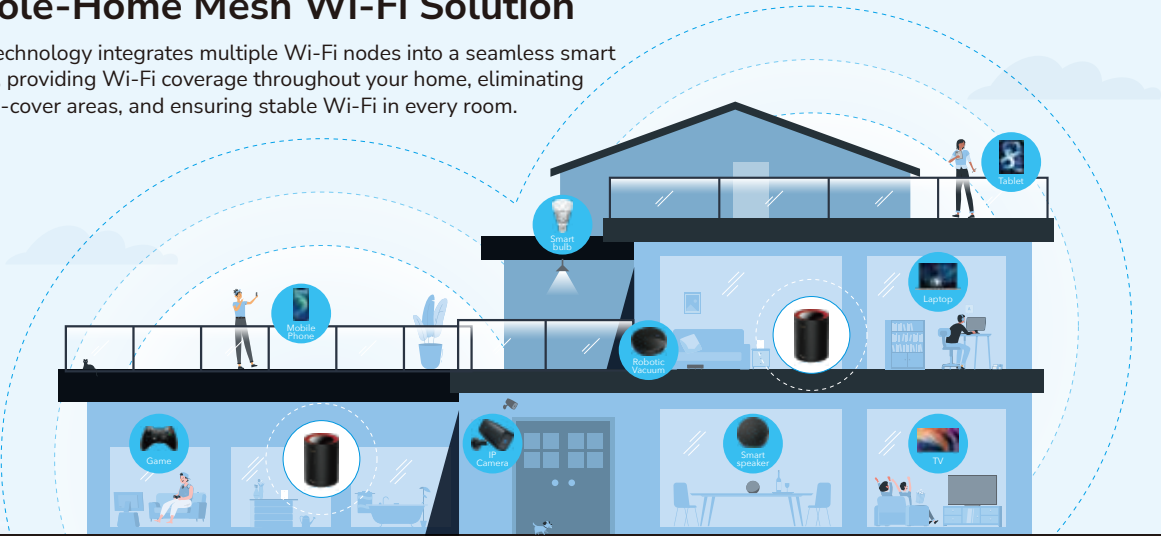
Whole-Home Wi-Fi 6 Mesh System with 2.5G Port

Model: M3000



Whole-Home Mesh Wi-Fi Solution

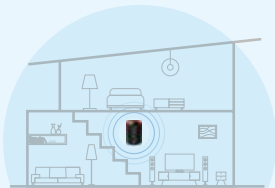
Mesh technology integrates multiple Wi-Fi nodes into a seamless smart system, providing Wi-Fi coverage throughout your home, eliminating hard-to-cover areas, and ensuring stable Wi-Fi in every room.



Seamless Wi-Fi throughout Your Home

Whole-home Wi-Fi keeps clients connected to the best Wi-Fi automatically, without the need for manual switching between the original Wi-Fi and the extended network.

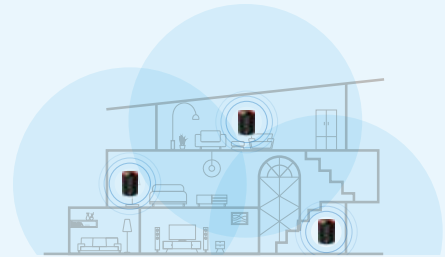
Boosted Whole-Home Coverage



1-Pack for Single-Bedroom Houses

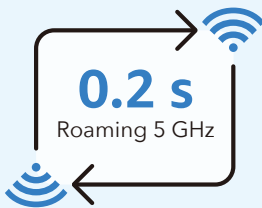


2-Pack for Split-Level Houses



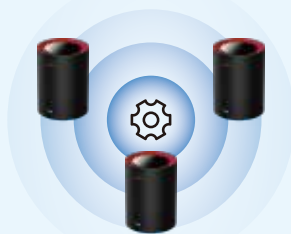
3-Pack for Tri-Level Houses

Fast Roaming



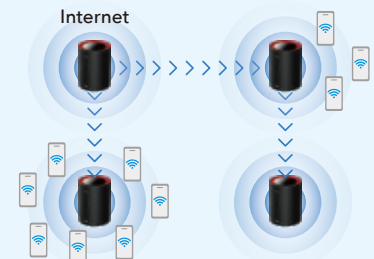
Auto switching between WiFi finishes instantly, ensuring uninterrupted calling and streaming when moving around.

Auto Sync



Managing a Mesh system feels as easy as managing one device, as units sync settings automatically.

Adaptive Routing



The Mesh system automatically selects the shortest or least congested route for the optimal experience.



BE11000 2.5G Wi-Fi 7 Mesh System

M11000 (3-Pack / 2-Pack / 1-Pack)

Unit Spec

- Max 5760 (EHT320 2T2R) + 4320 + 688 Mbps
 - 6x Internal Antennas
 - 1x 2.5G WAN Port + 2 x 2.5G LAN Ports
 - Cudy Mesh, EasyMesh (Optional)
 - 320 MHz, MLO, MRU, DL/UL OFDMA, DL/UL MU-MIMO
 - PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
 - DNS over TLS with Cloudflare/Google/Quad9
 - IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181
-



BE6500 Wi-Fi 7 Mesh System with 2.5G Port

M6500 (3-Pack / 2-Pack / 1-Pack)

Unit Spec

- Max 5760 (EHT160 4T4R) + 688 Mbps
 - 6x Internal Antennas
 - 1x 2.5G WAN Port + 2 x Gigabit LAN Ports
 - Cudy Mesh, EasyMesh (Optional)
 - 160 MHz, MLO, MRU, DL/UL OFDMA, DL/UL MU-MIMO
 - PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
 - DNS over TLS with Cloudflare/Google/Quad9
 - IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181
-



BE3600 Wi-Fi 7 Mesh System with 2.5G Port

M3600H (3-Pack / 2-Pack / 1-Pack)

Unit Spec

- Max 2880 (EHT160 2T2R) + 574 Mbps
 - 4x Internal Antennas
 - 1x 2.5G WAN Port, 2x Gigabit LAN Ports
 - Cudy Mesh, EasyMesh (Optional)
 - 160 MHz, MLO, MRU, DL/UL OFDMA, DL/UL MU-MIMO
 - PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
 - DNS over TLS with Cloudflare/Google/Quad9
 - IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181
-



BE3600 Wi-Fi 7 Mesh System

M3600 (3-Pack / 2-Pack / 1-Pack)

Unit Spec

- Max 2880 (EHT160 2T2R) + 574 Mbps
- 4x Internal Antennas
- 1x Gigabit WAN Port, 2x Gigabit LAN Ports
- Cudy Mesh, EasyMesh (Optional)
- 160 MHz, MLO, MRU, DL/UL OFDMA, DL/UL MU-MIMO
- PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
- DNS over TLS with Cloudflare/Google/Quad9
- IPv6/IPv4, IPTV/VLAN, TR069/TR098/TR111/TR181



AX3000 Whole-Home Wi-Fi 6 Mesh System with 2.5G Port

M3000 [3-Pack / 2-Pack / 1-Pack](#)

Unit Spec

- Wi-Fi 6, 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
 - 5x Internal Antennas
 - 1x 2.5 Gbps Port + 1x Gigabit Port
 - Cudy Mesh, EasyMesh (Optional), Fast Roaming
 - 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
 - PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier
 - DNS over TLS with Cloudflare/Google/Quad9
 - TR069/TR098/TR111/TR181
-



AX3000 Whole-Home Wi-Fi 6 Mesh System with 2.5G Port

M3000 ver. 2.0 [3-Pack / 2-Pack / 1-Pack](#)

Unit Spec

- Wi-Fi 6, 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
 - 5x Internal Antennas
 - 1x 2.5 Gbps Port + 1x Gigabit Port
 - Cudy Mesh, EasyMesh (Optional), Fast Roaming
 - 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
 - PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier
 - DNS over TLS with Cloudflare/Google/Quad9
 - TR069/TR098/TR111/TR181
-



AX1800 Whole-Home Wi-Fi 6 Mesh System

M1800 [3-Pack / 2-Pack / 1-Pack](#)

Unit Spec

- Wi-Fi 6, 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
 - 4x Internal Antennas
 - 2x Gigabit Ports
 - Fast Roaming
 - MU-MIMO, OFDMA
 - PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier
 - DNS over TLS with Cloudflare/Google/Quad9
 - TR069/TR098/TR111/TR181
-



AC1200 Gigabit Whole-Home Wi-Fi Mesh System

M1300 [3-Pack / 2-Pack / 1-Pack](#)

Unit Spec

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
 - 4x Internal Antennas
 - 2x Gigabit Ports
 - Fast Roaming
 - PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier
 - DNS over TLS with Cloudflare/Google/Quad9
 - TR069/TR098/TR111/TR181
-



AC1200 Whole-Home Wi-Fi Mesh System

M1200 [3-Pack / 2-Pack / 1-Pack](#)

Unit Spec

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 2x Internal Antennas
- 2x 10/100 Mbps Ports
- Fast Roaming
- PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier
- DNS over TLS with Cloudflare/Google/Quad9
- TR069/TR098/TR111/TR181

AX3000 Mesh Wi-Fi 6 Range Extender RE3000



- Wi-Fi 6**
- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
 - 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
- | | |
|-------------------|-------------------------|
| Interface | Security |
| • 1x Gigabit Port | • WPA3 Wi-Fi Encryption |
- Buttons**
- 1x WPS Button, 1x Reset Button
- Other Features**
- Intelligent Signal Indicator
 - 3-IN-1 RE/AP/Add-on Mesh
 - US/EU/UK/AU Plug

AX1800 Mesh Wi-Fi 6 Extender RE1800



- Wi-Fi 6
- 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- DL MU-MIMO, DL OFDMA
- 1x Gigabit Port
- 1x WPS Button + 1x Reset Button
- Intelligent Signal Indicator
- 3-IN-1 RE/AP/Add-on Mesh
- WPA3 Security
- US/EU/UK/AU Plug

AC1200 Mesh Wi-Fi Extender RE1200



- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- MU-MIMO
- 1x 10/100 Mbps Port
- 1x WPS Button + 1x Reset Button
- Intelligent Signal Indicator
- 3-IN-1 RE/AP/Add-on Mesh
- US/EU/UK/AU Plug

Highlight Features

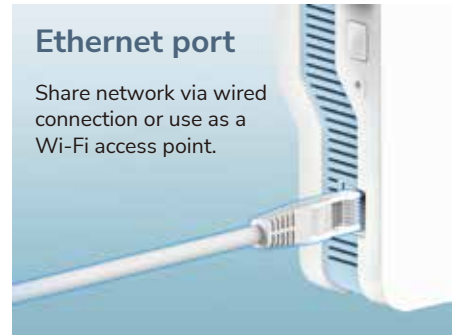
Works with any router



Intelligent signal indicator



Ethernet port



Whole-Home Mesh



Creates a seamless coverage that always connects you to the best Wi-Fi node.

Easy Setup

Press the WPS buttons and expand with the original Wi-Fi name and password.



Looking for Outdoor Range Extenders? Check RE1200 Outdoor on page 25.

Dual 4K 10 Gbps USB-C Dock



Dual 4K
2 HDMI and 2 DP

150W Total Power
100W Host Charging

10 Gbps
Data Transfer

Gigabit Network

Audio and Mic

Slim. Unibody.

0.59" (1.5 cm) 0.61" (1.55 cm)

Cudy CS700 MacBook Pro 14-inch

DisplayLink Chip



Products	13-In-1 10Gbps USB-C Dual 4K Docking Station 150 W PSU	13-In-1 10Gbps USB-C Dual 2K Docking Station 150 W PSU	13-In-1 5Gbps USB-C Dual 2K Docking Station 48 W PSU
Models	CS700	CS600	CS500
Video Output	2× Display 1.2a 2× HDMI 2.0	2× Display 1.2a 2× HDMI 1.4	2× Display 1.2a 2× HDMI 1.4
Max Resolutions	2× 4K (4096×2160) 60 Hz	2× 2K (2560×1600) 60 Hz	2× 2K (2560×1600) 60 Hz
Upstream USB	PD 100 W 10 Gbps USB-C 3.2 Gen 2	PD 100 W 10 Gbps USB-C 3.2 Gen 2	5 Gbps USB-C 3.2 Gen 1
USB	2× 10 Gbps USB-C 3.2 Gen 2 (Up to 14 W each) 4× 10 Gbps USB-A 3.2 Gen 2 (Up to 5 W each)	2× 10 Gbps USB-C 3.2 Gen 2 (Up to 14 W each) 4× 10 Gbps USB-A 3.2 Gen 2 (Up to 5 W each)	2× 5 Gbps USB-C 3.2 Gen 1 (Up to 14 W total) 4× 5 Gbps USB-A 3.2 Gen 1 (Up to 10 W total)
Audio and Mic	1× 3.5 mm Combo Jack	1× 3.5 mm Combo Jack	1× 3.5 mm Combo Jack
Network	1× Gigabit RJ45 Port	1× Gigabit RJ45 Port	1× Gigabit RJ45 Port
Power	1× Power On/Off	1× Power On/Off	1× Power On/Off

Cat.12

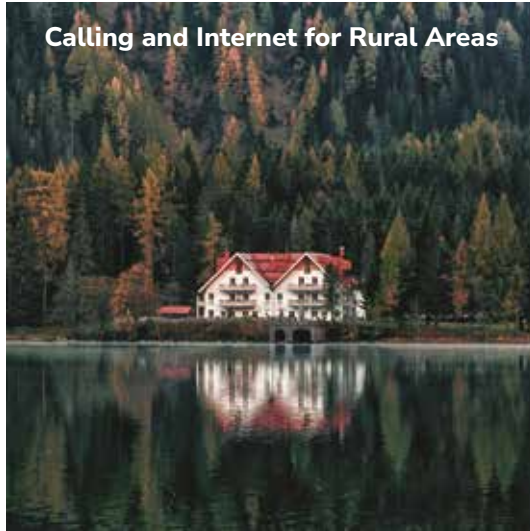
4G LTE Cat 12 AX3000 Gigabit Wi-Fi 6 Router

Model: LT15E



Stay Connected Anywhere

Connect to the Internet via the everywhere cellular network. Cudy 4G and 5G products are designed to stream data day and night and fit in different scenarios. WAN backup and dual SIM improve redundancy, keeping you online wherever you are.



4G 5G Evolution at a Glance

The key difference between models are the cellular technology they adopt. From the most affordable one to the fastest, Cudy offers a wide range of choice for your demand.

Cellular		4G	4G+ / LTE Advanced			5G NR
Cat./Rel.		Cat. 4	Cat. 6	Cat. 12	Cat. 18	Rel. 16
Modulation		Max 64-QAM			Max 256-QAM	
Key Technologies		2x2 DL MIMO	DL CA 4x4 DL MIMO			DL/UL CA DL/UL MIMO Wider Bandwidth eURLLC
Max DL Speed		150 Mbps	300 Mbps	600 Mbps	1.2 Gbps	3.4 Gbps
Product Lines	Indoor	LT400, LT500, LT500E, MF4	LT700, LT700E	LT12, LT1E	LT18	P4, P5
	Voice	LT500V	LT700V	LT15V		
	Outdoor	LT400 Outdoor, LT500 Outdoor	LT700 Outdoor			
	Industrial	IR04	IR06	IR12		IR5G



5G SA/NSA AX3000 Wi-Fi 6 Router

P4

5G REL 16

- Sub 6 GHz SA/NSA with Voice
- 4x4 MIMO, Carrier Aggregation
- Detachable Antennas
- Band Lock, TTL Settings

Wi-Fi 6

- 2402 Mbps (5 GHz) + 867 Mbps (2.4 GHz)
- 160 MHz, MU-MIMO, OFDMA

Interfaces

- 1x Gigabit WAN/LAN Port
- 2x Gigabit LAN Ports
- 1x Nano SIM Slot
- 2x SMA-F Interfaces (Cellular)

Software

Dual SIM Failover, WAN/Cellular Failover, Mesh, Band Lock, TTL Settings, DDNS, VPN Server, VPN Client, DNS over TLS, TR069/TR098/TR111/TR181



5G SA/NSA AX3000 Wi-Fi 6 Router

P5

5G REL 16

- Sub 6 GHz SA/NSA
- 4x4 MIMO, Carrier Aggregation
- Detachable Antennas
- Band Lock, TTL Settings

Wi-Fi 6

- 2402 Mbps (5 GHz) + 867 Mbps (2.4 GHz)
- 160 MHz, MU-MIMO, OFDMA

Interfaces

- 1x Gigabit WAN/LAN Port
- 3x Gigabit LAN Ports
- 2x Nano SIM Slots
- 4x SMA Interfaces (Cellular)

Software

Dual SIM Failover, WAN/Cellular Failover, Mesh, Band Lock, TTL Settings, DDNS, VPN Server, VPN Client, DNS over TLS, TR069/TR098/TR111/TR181

5G Upgraded

Lightning-Fast 5G at the Next Level

Cudy P4 and P5, armed with the upgraded 5G standard, reduce the latency to and from the 5G base station, making the network not just lightning-fast, but also amazingly responsive.



Minimized Latency
with eURLLC



Connects Multiple
Base Stations

4X4
MIMO

5G Rel. 16



4G Cat 18 AX1800 Wi-Fi 6 Router

LT18

- Max 1.2 Gbps Cellular DL
- 4x4 MIMO, DL 5-Carrier Aggregation
- AX1800 Wi-Fi 6, MU-MIMO, OFDMA
- 4x Gigabit Ports + 2x Nano SIM Slots
- 4x SMA Interfaces (Cellular)
- Dual SIM Failover, WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181



4G Cat 12 AX3000 Wi-Fi Router

LT15E

- Max 600 Mbps Cellular DL
- 4x4 MIMO, DL 3-Carrier Aggregation
- AX3000 Wi-Fi 6, MU-MIMO, OFDMA
- 4x Gigabit Ports + 1x Nano SIM Slot
- 2x SMA Interfaces (Cellular)
- 2x Detachable + 4x Internal Cellular Antennas
- WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181



4G Cat 12 AC1200 Wi-Fi Router

LT12

- Max 300 Mbps Cellular DL
- 4x4 MIMO, DL 3-Carrier Aggregation
- AC1200 Wi-Fi
- 4x Gigabit Ports + 2x Nano SIM Slots
- 4x SMA Interfaces (Cellular)
- Dual SIM Failover, WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181



4G Cat 6 AC1200 Wi-Fi Router

LT700

- Max 300 Mbps Cellular DL
- 4x4 MIMO (Optional), DL 2-Carrier Aggregation
- AC1200 Wi-Fi
- 4x Gigabit Ports + 2x Nano SIM Slots
- 4x SMA Interfaces (Cellular)
- Dual SIM Failover, WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181



4G Cat 6 AC1200 Wi-Fi Router

LT700E

- Max 300 Mbps Cellular DL
- 4x4 MIMO (Optional), DL 2-Carrier Aggregation
- AC1200 Wi-Fi
- 4x Gigabit Ports + 2x Nano SIM Slots
- 2x 4G Antennas, 2x Wi-Fi Antennas
- WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181



4G LTE Cat 4 AC1200 Wi-Fi Router

LT500

- Max 150 Mbps Cellular DL
- AC1200 Wi-Fi
- 4x 10/100 Mbps Ports + 1x Nano SIM Slot
- WAN/Cellular Failover
- Mesh, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181

4G LTE Cat 4 AC1200 Wi-Fi Router

LT500E



- Max 150 Mbps Cellular DL
- AC1200 Wi-Fi
- 4x 10/100 Mbps Ports + 1x Nano SIM Slot
- WAN/Cellular Failover
- 2x 4G Antennas, 2x Wi-Fi Antennas
- Mesh, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181

4G LTE Cat 4 N300 Router

LT400



- Max 150 Mbps Cellular DL
- N300 Wi-Fi
- 4x 10/100 Mbps Ports + 1x Nano SIM Slot
- WAN/Cellular Failover
- VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181

4G LTE Cat 4 N300 Router

LT400E



- Max 150 Mbps Cellular DL
- N300 Wi-Fi
- 4x 10/100 Mbps Ports + 1x Nano SIM Slot
- WAN/Cellular Failover
- VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181

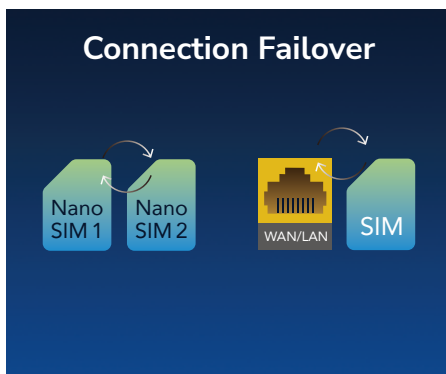


4G LTE Cat 4 Mobile Wi-Fi

MF4

- Max 150 Mbps DL
- N150 Wi-Fi
- 1x Nano SIM Slot
- 2000 mAh Battery

Features for Personalized Optimization



WAN Failover / Dual SIM Failover



SMA Interface (Cellular)



Band Lock/TTL Settings

Crystal-Clear Voice Together with Fast Wi-Fi

4G LTE Wi-Fi Routers with Voice

4G LTE Wi-Fi Routers with Voice



Products	4G LTE Cat.12 AX3000 Gigabit Router with Voice	4G LTE Cat.6 AC1200 Gigabit Router with Voice	4G LTE Cat.4 AC1200 Router with Voice
Models	LT15V	LT700V	LT500V
Cellular	4G LTE Cat. 12 with Voice (optional eSIM)	4G LTE Cat. 6 with Voice	4G LTE Cat. 4 with Voice
Wi-Fi	AX3000 WiFi 6 2402 Mbps (5 GHz) 574 Mbps (2.4 GHz)	AC1200 867 Mbps (5 GHz) 300 Mbps (2.4 GHz)	AC1200 867 Mbps (5 GHz) 300 Mbps (2.4 GHz)
Voice Function	VoLTE and VoIP	VoLTE	VoLTE
4G Antennas	4× Internal 2× Detachable (Optional)	2× Internal 2× Detachable (Optional)	2× Internal 2× Detachable (Optional)
Wi-Fi Antennas	2× Internal	2× Internal	2× Internal
Interfaces	1× Gigabit WAN/LAN Port 3× Gigabit LAN Ports 1× RJ11 Port 1× Nano SIM Card Slot 2× SMA Connectors (Cellular)	1× Gigabit WAN/LAN Port 3× Gigabit LAN Ports 1× RJ11 Port 1× Nano SIM Card Slot 2× SMA Connectors (Cellular)	1× 10/100 Mbps WAN/LAN Port 3× 10/100 Mbps LAN Ports 1× RJ11 Port 1× Nano SIM Card Slot 2× SMA Connectors (Cellular)
Buttons	1× WPS 1× Reset 1× Power ON/OFF 1× WiFi ON/OFF	1× WPS 1× Reset 1× Power ON/OFF	1× WPS 1× Reset 1× Power ON/OFF
Advanced Features	WAN/Cellular Failover, Mesh, Band Lock, TTL Settings, DDNS, VPN, DNS over TLS, TR069/TR098/TR111/TR181		

Note: Retail units do not include the external detachable 4G antennas in the box.

Looking for 5G routers with voice? Check P4 on page 12

Keeps Connected in Challenging Environments

Lightning-Protection Test

6 KV

Prevents damage from instantaneous surge up to 6 KV at the port

Water-Proof Test

IP65

Protection against any dust and low-pressure water from any directions

Harsh Environment Test

-40°C / 70°C

Keeps a consistent network service regardless of heat and cold.

4G LTE Outdoor
Wi-Fi Routers

4G LTE Outdoor Wi-Fi Routers



Products	Outdoor 4G Cat 6 AC1200 Wi-Fi Router	Outdoor 4G Cat 4 AC1200 Wi-Fi Router	Outdoor 4G Cat 4 N300 Wi-Fi Router
Models	LT700 Outdoor	LT500 Outdoor	LT400 Outdoor
Cellular	4G LTE Cat. 6	4G LTE Cat. 4	4G LTE Cat. 4
Wi-Fi	AC1200	AC1200	N300
Weather-Proof	IP65 Water/Dustproof 6 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -40~70 °C Ext. Operation Temp.	IP65 Water/Dustproof 4 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -40~65 °C Ext. Operation Temp.	IP65 Water/Dustproof 4 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -40~65 °C Ext. Operation Temp.
Power	Passive PoE (24 - 57 V) 802.3at/af PoE	Passive PoE (24V)	Passive PoE (24V)
4G Antennas	2× Detachable	2× Detachable	2× Detachable
Wi-Fi Antennas	2× Internal	2× Internal	2× Internal
Interfaces	1× Gigabit Port (PoE In) 1× Nano SIM Card Slot 2× SMA Connectors (Cellular)	1× 10/100 Mbps Port (PoE In) 1× Nano SIM Card Slot 2× SMA Connectors (Cellular)	1× 10/100 Mbps Port (PoE In) 1× Nano SIM Card Slot 2× SMA Connectors (Cellular)
Buttons	1× Reset	1× Reset	1× Reset
Reliability	Hardware Watchdog Schedule Reboot	Schedule Reboot	Schedule Reboot
Advanced Features	Signal Indicators, WAN/Cellular Failover, Mesh, Band Lock, TTL Settings, DDNS, VPN, DNS over TLS, TR069/TR098/TR111/TR181		

The Robust Network

for Need of High Reliability



Products	Industrial 4G Cat. 4 Wi-Fi Router	Industrial 4G Cat. 6 AX3000 Wi-Fi 6 Router	Industrial 4G Cat. 12 AX3000 Wi-Fi 6 Router	Industrial 5G REL. 16 AX3000 Wi-Fi 6 Router
Models	IR04	IR06	IR12	IR5G
Cellular	4G LTE Cat. 4	4G LTE Cat. 6	4G LTE Cat. 12	5G NR REL. 16
GNSS	GPS, GLONASS, BeiDou, Galileo, and QZSS			
SIM Slots	2x SIM Slots (Mini SIM-2FF)			
Wi-Fi	N300	AX3000	AX3000	AX3000
Ethernet	4x 10/100 Mbps Ports	4x Gigabit Ethernet Ports		
USB	1x USB (File Sharing / USB-to-Serial)			
I/O's	1x DB9 (RS232/RS422/RS485) 1x 6-PIN (RS485, Optional) 1x 10-PIN (Optional) MODBUS TCP Master/Slave MODBUS RTU Master/Slave			
Antennas	3x SMA (Cellular and GNSS), 2x RP-SMA (Wi-Fi)		5x SMA (Cellular and GNSS), 2x RP-SMA (Wi-Fi)	
Power Interface	1x DC Jack, 1x 4-PIN for Power and Ignition Sensing			
Power Methods	DC via DC-Jack, DC via 4-Pin, Passive PoE via WAN/LAN port, or 802.3at/af PoE via WAN/LAN port			
VPN	Zerotier/Wireguard/OpenVPN/IPSec/L2TP/PPTP			
Working Modes	4G, Router (WAN as main, 4G as backup), WISP			
Device Management	TR069/TR098/TR111/TR181			
Casing	Aluminum housing, plastic panel			
Installation	DIN-Rail, Desktop			
EMI	ESD IEC/EN 61000-4-2, Level 4 (the highest level), RS IEC/EN 61000-4-3, Level 4 (the highest level) EFT IEC/EN 61000-4-4, Level 4 (the highest level), Surge (ports) IEC/EN 61000-4-5, Level 4 CS IEC/EN 61000-4-2, Level 3 (the highest level), PFMF IEC/EN 61000-4-8, Level 5 (the highest level) PMF IEC/EN 61000-4-9, Level 5 (the highest level), DIM IEC/EN 61000-4-10, Level 5 (the highest level)			
Reliability	-40~75 °C Working Temperatures, IP30 Ingress Protection Rating, Shock and Vibration EN 61373, Railway Applications EN 50155, EN 60068			

The Future of Home Internet with FTTH with xPON

xPON Gateways and Routers

ISP Functions:
OMCI, CWMP, IPTV/VLAN



AX3000 Wireless Dual Band Gigabit VoIP xPON Router

GP3000V

Wi-Fi 6

- AX3000 Wi-Fi
- 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA

Interfaces

- 1x SC/APC Port (GPON/EPON)
- 4x Gigabit Ethernet Ports
- 1x USB 3.0 (Optional)
- 1x FXS Port (VoIP)

Buttons

- WPS Button
- Reset Button
- Wi-Fi On/off
- Power On/Off



AC1200 Wireless Dual Band Gigabit VoIP xPON Router

GP1200V

Wi-Fi

- AC1200 Wi-Fi
- MU-MIMO

Interfaces

- 1x SC/APC Port (GPON/EPON)
- 4x Gigabit Ethernet Ports
- 1x FXS Port (VoIP)
- 1x USB 2.0 (Optional)

Buttons

- WPS Button
- Reset Button
- Wi-Fi On/Off
- Power On/Off



AC1200 Wireless Dual Band Gigabit xPON Router

GP1200

Wi-Fi

- AC1200 Wi-Fi
- MU-MIMO

Interfaces

- 1x SC/APC Port (GPON/EPON)
- 4x Gigabit Ethernet Ports
- 1x USB 2.0 (Optional)

Buttons

- WPS Button
- Reset Button
- Wi-Fi On/Off
- Power On/Off



1-Port Gigabit xPON Terminal

GP100

Interfaces

- 1x SC/APC Port (GPON/EPON)
- 1x Gigabit Ethernet Port

Buttons

- Reset Button

Wi-Fi 7

Enjoy Latest Wi-Fi 7
Better and Faster!



USB Adapters



AC1300 Wi-Fi High Gain USB Adapter

WU1400

- Dual-Band Wi-Fi
- Up to 867 Mbps at 5 GHz
- Up to 400 Mbps at 2.4 GHz
- Requires USB 3.0 Port for Full Speed
- Windows 7 to 11 / Mac OS / Linux
- 213×23×10 mm



AC1300 Wi-Fi USB 3.0 Adapter

WU1300S

- Dual-Band Wi-Fi
- Up to 867 Mbps at 5 GHz
- Up to 400 Mbps at 2.4 GHz
- Requires USB 3.0 Port for Full Speed
- Windows 7 to 11 / Mac OS / Linux
- 37.5×17×8.5 mm



AC650 Wi-Fi Nano USB Adapter

WU650

- Dual-Band Wi-Fi
- Up to 433 Mbps at 5 GHz
- Up to 200 Mbps at 2.4 GHz
- Windows XP to 11 / Mac OS / Linux
- 20×15×8 mm



Universal Compatibility

Compatible with different operating systems.



Dual Band

Bring legacy device on the faster 5 GHz network and enjoy 3x faster speed.



Compact Design

Small footprint saves travelling space.



**BE9300 Wi-Fi 7 Bluetooth 5.4 PCI-E Adapter
WE9400**

- Intel BE200 Module
- Max 5760 + 2882 + 688 Mbps
- 2x 5 dBi High-Gain Antennas
- Bluetooth 5.4 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included
- Improved Dissipation with Heatsink
- Magnet Antennas Base



**BE9300 Wi-Fi 7 Bluetooth 5.4 PCI-E Adapter
WE9300S**

- Intel BE200 Module
- Max 5760 + 2882 + 688 Mbps
- 2x 5 dBi High-Gain Antennas
- Bluetooth 5.4 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included
- Improved Dissipation with Heatsink



**AX5400 Wi-Fi 6E
Bluetooth 5.3 PCI-E Adapter
WE4000**

- Intel AX210 Module
- Up to 2402 Mbps on 5/6 GHz
- Up to 574 Mbps on 2.4 GHz
- 2x 5 dBi High-Gain Antennas
- Bluetooth 5.3 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included
- Improved Dissipation with Heatsink
- Magnet Antennas Base



**AX5400 Wi-Fi 6E
Bluetooth 5.3 PCI-E Adapter
WE3000S**

- Intel AX210 Module
- Up to 2402 Mbps on 5/6 GHz
- Up to 574 Mbps on 2.4 GHz
- 2x 5 dBi High-Gain Antennas
- Bluetooth 5.3 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included
- Improved Dissipation with Heatsink



**AX5400 Wi-Fi 6E
Bluetooth 5.3 PCI-E Adapter
WE3000**

- Intel AX210 Module
- Up to 2402 Mbps on 5/6 GHz
- Up to 574 Mbps on 2.4 GHz
- 2x 5 dBi High-Gain Antennas
- Bluetooth 5.3 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included



**Gigabit PCI-E
Ethernet Adapter
PE10**

- Gigabit Port
- Wake-On-LAN
- Flow Control
- Standard/Low Profile Brackets Included
- Windows / Linux / macOS



**2.5Gbps PCI-E
Ethernet Adapter
PE25**

- 2.5 Gbps Port
- Wake-On-LAN
- Flow Control
- Standard/Low Profile Brackets Included
- Windows 7 to 11 / Windows Servers 2003 to 2022 / Linux



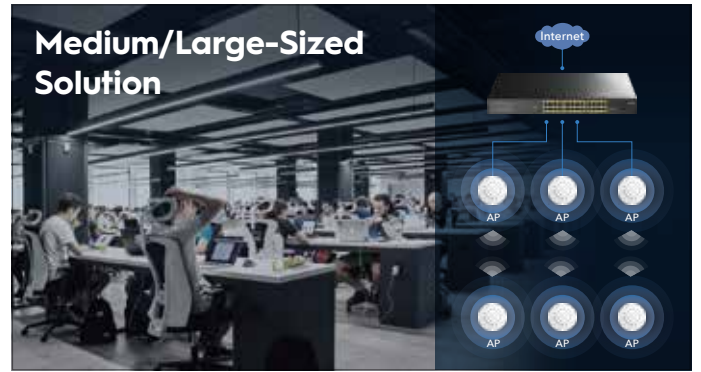
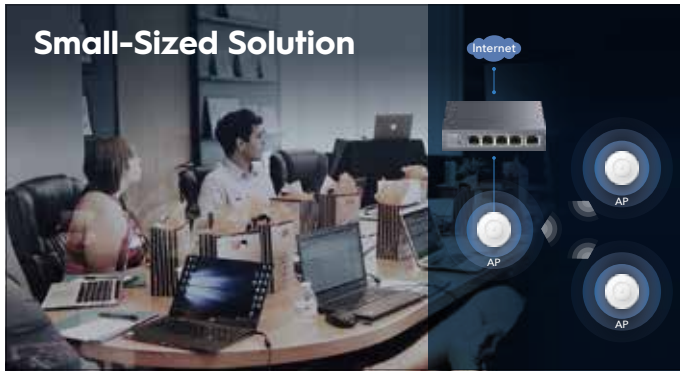
**10Gbps PCI-E
Ethernet Adapter
PE10G**

- 10 Gbps Port
- Wake-On-LAN
- Flow Control
- Standard/Low Profile Brackets Included
- Windows 7 to 11 / Windows Servers 2003 to 2022 / Linux

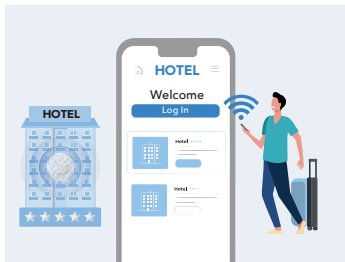


Create Faster and Broader Business Wi-Fi

Wi-Fi Coverage Everywhere, No Matter Small or Large

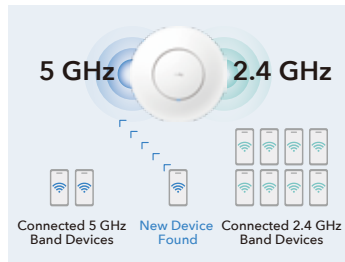


A Smart Business Wi-Fi for Customers Satisfaction



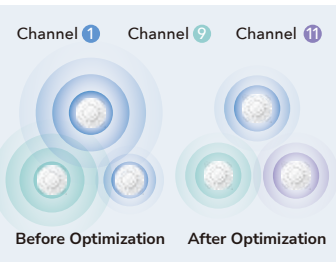
Captive Portal

Improve your brand awareness by displaying a customized login page for new clients.



Band Steering

Assigns devices to the less-congested bands, optimizing the system performance.



Auto Channel Selection

Avoid signal interruptions with nearby access points.



Auto Mesh Optimization

Form mesh backhaul via less congested routes automatically.

* Captive portal, auto channel selection, and mesh feature are available when working with an access point controller.

Gigabit Access Point Controller



C100
1x GbE WAN, 3x GbE WAN/LAN, 1x GbE LAN

2-IN-1 SMB Router /Ap Controller with 4 PoE+ Ports



C200P
1x GbE WAN, 4x 802.3at/af GbE LAN, 1x USB 3.0
60 W Power Supply

Ceiling AP



Products	BE11000 10G Wi-Fi 7 AP	BE3600 2.5G Wi-Fi AP	AX3000 2.5G Wi-Fi 6 AP	AC1200 Gigabit Wi-Fi AP
Models	AP11000	AP3600	AP3000	AP1300
Wi-Fi	BE11000 Wi-Fi 7	BE3600 Wi-Fi 7	AX3000 Wi-Fi 6	AC1200
Antennas	6x	4x	5x	4x
Interfaces	1x 10G SFP+ 1x 2.5GbE PoE-In 1x DC Jack	1x 2.5GbE PoE-In 1x DC Jack	1x 2.5GbE PoE-In 1x DC Jack	1x GbE PoE-In 1x DC Jack
Power	802.3at Passive PoE DC	802.3at/af Passive PoE DC	802.3at/af Passive PoE (48-57V) DC (12-48V)	802.3at/af Passive PoE DC
Buttons	1x Reset			
Dimensions	Ø231.9 x57.1 mm			
Advanced	MLO, MRU, OFDMA, MU-MIMO, Mesh		OFDMA, MU-MIMO, Mesh	MU-MIMO, Mesh
Reliability	Watchdog , Schedule Reboot			

Wall Plate AP



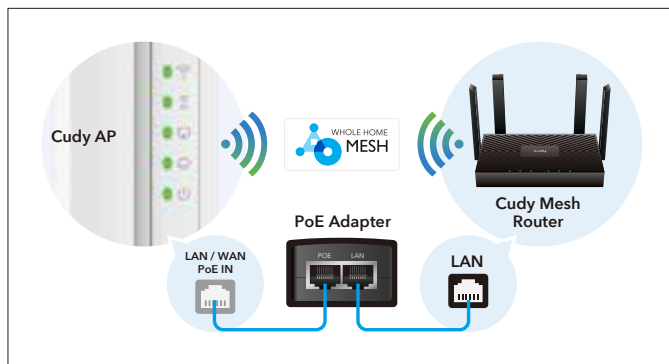
Products	AX3000 Wall Plate Wi-Fi 6 AP	AX3000S Wall Plate Wi-Fi 6 AP	AC1200 Wall Plate Wi-Fi AP	AC1200 Wall Plate Wi-Fi AP
Models	AP3000 Wall	AP3000S Wall	AP1300 Wall	AP1300S Wall
Wi-Fi	AX3000 Wi-Fi 6	AX3000 Wi-Fi 6	AC1200	AX3000 Wi-Fi 6
Antennas	5x	3x	4x	3x
Interfaces	1x GbE PoE-In 1x GbE LAN PoE-Out 3x GbE LAN	1x GbE PoE-In 1x GbE LAN	1x GbE PoE-In 1x GbE LAN PoE-Out 3x GbE LAN	1x GbE PoE-In 1x GbE LAN
Power	802.3at 802.3af (No PoE-Out)	802.3at/af	802.3at 802.3af (No PoE-Out)	802.3at/af
Buttons	1x Reset			
Advanced	OFDMA, MU-MIMO, Mesh		MU-MIMO, Mesh	
Reliability	Watchdog, Schedule Reboot			
Installation	86mm/EU/US Electrical Box			

Outdoor AP



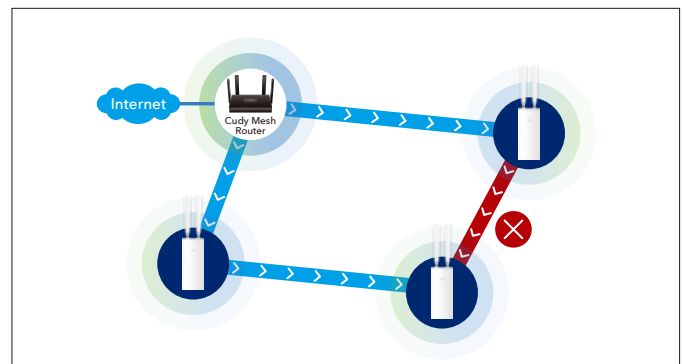
Products	Outdoor AX3000 High-Power Wi-Fi 6 Access Point	Outdoor AC1200 Wireless Access Point	Outdoor AC1200 Wireless Extender /AP
Models	AP3000 Outdoor	AP1300 Outdoor	RE1200 Outdoor/AP1200 Outdoor
Wi-Fi	AX3000 Wi-Fi 6 High-Power	AC1200	AC1200
Antennas	2× External + 1× Internal 2.4 GHz: max 4 dBi 5 GHz: max 6 dBi	2× External 2.4 GHz: max 4.6 dBi 5 GHz: max 4.4 dBi	2× External 2.4 GHz: max 4.6 dBi 5 GHz: max 4.4 dBi
Interfaces	1× Gigabit Port (PoE In)	1× Gigabit Port (PoE In)	1× 10/100 Mbps Port (PoE In)
Weather-Proof	IP65 Water/Dust-Proof 6 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -40~70 °C Ext. Operation Temp.	IP65 Water/Dust-Proof 4 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -40~65 °C Ext. Operation Temp.	IP65 Water/Dustproof 4 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -40~65 °C Ext. Operation Temp.
Power	802.3at Passive PoE (48 – 57 V)	802.3at/af Passive PoE (24 - 57 V)	Passive PoE (24 V)
Buttons	1× Reset + 1× WPS	1× Reset + 1× WPS	1× Reset + 1× WPS
Advanced Features	DL/UL MU-MIMO, DL/UL OFDMA Router/AP/RE/WISP/Mesh	DL MU-MIMO Router/AP/RE/WISP/Mesh	DL MU-MIMO RE1200 OD: AP/RE/Mesh Satellite AP1200 OD: Router/AP/WISP
Reliability	Hardware Watchdog, Schedule Reboot		Schedule Reboot

Plug-and-Play Mesh Installation



Simply Plug and Unplug for Mesh Setup

Connect the PoE adapter LAN port to a Cudy Mesh AP/router/AC to add the new RE/AP to the Mesh network. Feel free to unplug it or keep using Ethernet backhaul after pairing.



Leave the Rest to Adaptive Routing

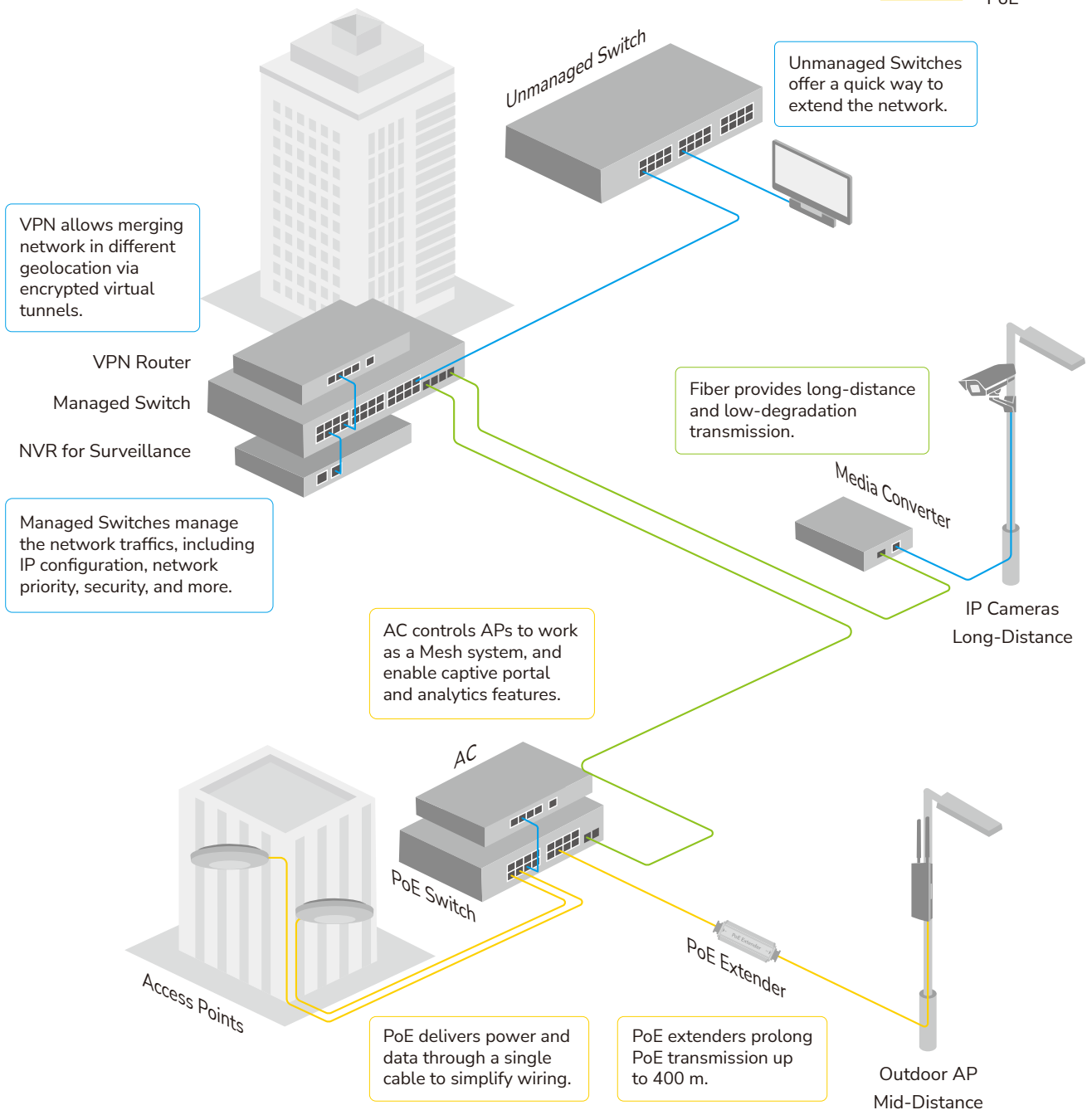
Adaptive Routing improves the system's awareness of the capacity used by each node. Once the backhaul path is interfered, it will automatically switch to a better path for improved stability.

Build a Strong and Stable Business Network

A strong and stable network is essential for the growth of your business. Providing convenient and reliable connections not only improves customer satisfaction, but also enhances your brand image. Cudy provides a blanket of options—access points, switches, PoE switches, and fiber—for business owners to build a reliable network.

Typical Business Network Topology

- Ethernet
- Optical Fiber
- PoE



VPN Routers



Gigabit Multi-WAN VPN Router

R700



- Ports: 1x Gigabit RJ45 WAN Port, 3x Gigabit RJ45 WAN/LAN Ports, 1x Gigabit RJ45 LAN Port
- PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier, DNS Over TLS with CloudFlare/Google
- Supports 20 IPsec VPN Tunnels, 16 PPTP/L2TP VPN Tunnels, 16 OpenVPN Tunnels, 25000 Concurrent Sessions
- Load Balance, Link Backup, Policy-based Firewall, Static Routing, Policy Routing, Multi-net DHCP, Guest Portal, VLAN

Network Switches

10/100 Mbps



	FS105D	FS105	FS108D	FS108
Models	FS105D	FS105	FS108D	FS108
Casing	Plastic	Metal	Plastic	Metal
10/100 Mbps Ports	5		8	
MAC Address Table	512		512	
Forwarding Rate	0.74 Mpps		1.19 Mpps	
Power	5V / 0.55A		5V / 0.55A	
Power Saving	✓		✓	
Max Consumption	0.9W		1W	
Idle Consumption	0.35W		0.35W	
Installation	Desktop, Wall-Mount			
Dimensions (mm)	88×52.5×24	86.5×53×23	138×61.5×24	138×78×25

Gigabit



Models	GS105D	GS105	GS108D	GS108
Casing	Plastic	Metal	Plastic	Metal
Gigabit Ports	5		8	
Max Distance	140 meters at Gigabit		170 meters at Gigabit	
Packet Buffer	3 Mbit		4 Mbit	
Switching Capacity	10 Gbps		16 Gbps	
MAC Address Table	2K		8K	
Forwarding Rate	7.4 Mpps		11.9 Mpps	
Stability	Flow Control		Flow Control, Loop Prevention, IGMP Snooping	
Power	External DC 5V / 0.55A		External DC 5V / 0.55A	
Power Saving	✓		✓	
Max Consumption	2W		2.75W	
Idle Consumption	1.4W		2.2W	
Installation	Desktop, Wall-Mount		Desktop, Wall-Mount	
Dimensions (mm)	88×52.5×24	86.5×53×23	138×61.5×24	138×78×25

Gigabit



Models	GS1016	GS1024
Gigabit Ports	16	24
Max Distance	100 meters at Gigabit 250 meters at 10 Mbps (Extend Mode)	100 meters at Gigabit 250 meters at 10 Mbps (Extend Mode)
Switching Capacity	32 Gbps	48 Gbps
MAC Address Table	8K	8K
Forwarding Rate	23.8 Mpps	35.7 Mpps
DIP Switch	VLAN/Default/Extend	VLAN/Default/Extend
VLAN Ports	1-14	1-22
Extend Ports	1-14	1-22
Power	Internal AC 100-240V	Internal AC 100-240V
Power Saving	10.1W	16.5W
Installation	Desktop, Rack-Mount	Desktop, Rack-Mount
Dimensions (mm)	200×118×44 mm	270×182×44 mm

2.5 Gbps



5-Port 2.5G Desktop Switch HS105

- 5x 2.5GbE Ports
- 25 Gbps Switching Capacity
- 18.6 Mpps Forwarding Rate
- Desktop Installation

Gigabit Ethernet



2.5G Ethernet



Easy Upgrade without Changing Cable

Cat 5e

Cat 6

Cat 6A



8-Port Gigabit L2 Managed Switch with 2 SFP Slots

GS2008S2

- 8x GbE Ports
- 2x 1.25G SFP Slots
- 1x RJ45 Console Port
- 20 Gbps Backplane Bandwidth
- L2 Management Functions
- 268x181x44 mm
- Rackmount



24-Port L2 Managed Gigabit Switch with 4 SFP Slots

GS2024S2

- 24x GbE Ports
- 4x 1.25G SFP Slots
- 1x RJ45 Console Port
- 56 Gbps Backplane Bandwidth
- L2 Management Functions
- 440x204x44 mm
- 1U Rackmount

L2 Management Functions

- Spanning Tree (STP/RSTP/MSTP), VLAN (802.1Q/MAC/Protocol GVRP/Voice), DHCP Server/Relay
- QoS (8 Queues/Port/802.1p/DSCP), Authorization (802.1x/AAA/TACACS+/RADIUS), IGMP Snooping, DHCP Snooping, Rate Limiting, Port Isolation, Port Mirroring
- Link Aggregation (LACP, Static)
- Storm Suppression (Unknown Unicast, Unknown Multicast, and Broadcast Storm)



24-Port Layer 3 Managed Gigabit Switch with 4 10G SFP Slots

GS5024S4

- 24x GbE Ports
- 4x 10G SFP Slots
- 1x RJ45 and 1x USB Console Port
- 128 Gbps Backplane Bandwidth
- L2+L3 Management Functions
- 440x205x44 mm
- 1U Rackmount



48-Port Layer 3 Managed Gigabit Switch with 4 10G SFP Slots

GS5048S4

- 48x GbE Ports
- 4x 10G SFP Slots
- 1x RJ45 and 1x USB Console Port
- 176 Gbps Backplane Bandwidth
- L2+L3 Management Functions
- 440x280x44 mm
- 1U Rackmount

L3 Management Functions

- IPv4 Static Routing, IPv6 Static Routing, RIP V1/V2, OSPF, and VRRP
- IPv4/IPv6 Address Configuration, ARP Configuration, and ND Configuration
- L2 (MAC), L3 (IP), and L4 (TCP/UDP Port) Packet Filtering



Cudy PoE switches connect and power various network devices seamlessly and efficiently. With PoE (Power over Ethernet) technology, these switches simplify network infrastructure by combining power and data into a single cable, eliminating additional power outlets or wiring.

Default 100 Meters

Extend 250 Meters

Extend mode prolongs the transmission distance to 250 meters by negotiating the speed to 10 Mbps.



VLAN mode separates clients into different subnets for improved security.

10/100 Mbps PoE



	FS1006P	FS1010P	FS1010PG	FS1018PS1	FS1026PS1
Models	FS1006P	FS1010P	FS1010PG	FS1018PS1	FS1026PS1
PoE Ports	4FE	8FE	8FE	16FE	24FE
Uplink Ports	2FE	2FE	2GbE	2GbE + 1SFP	2GbE + 1SFP
Power Supply (W)	65	120	120	200	300
Max Output per PoE (W)	30	30	30	30	30
PoE Standards	802.3at/af Alternative A				
MAC Address Table	2K	2K	2K	2K	2K
Forwarding Rate	0.9 Mpps	1.48 Mpps	4.166 Mpps	6.844 Mpps	8 Mpps
PoE Watchdog	√*	√*	√*	√*	√*
DIP Switch	VLAN/Default/Extend Mode				
Extend Mode Port	All PoE Ports	All PoE Ports	All PoE Ports	All PoE Ports	Port 9-24
Power Input	Internal AC 100-240 V				
Max Heat Output (BTU/h)	221.65	409.2	409.2	682	1023
Dimension (mm)	200×120×45	200×120×45	200×120×45	320×210×46	320×210×46
Installation	Desktop, Wall-mount			Desktop, Rack-mount	

*PoE watchdog is enabled on all PoE ports under VLAN or Extend Mode

Gigabit PoE



	GS1005P	GS1006P	GS1005PTS1	GS1008PS2
Models	GS1005P	GS1006P	GS1005PTS1	GS1008PS2
PoE Ports	4GbE	4GbE	4GbE	8GbE
Uplink Ports	1GbE	2GbE	1GbE+1SFP	2SFP
Power Supply (W)	65	65	120	120
Max Output per PoE (W)	30	30	30	30
PoE Standards	802.3at/af	802.3at/af	802.3at/af	802.3at/af
MAC Address Table	2K	2K	2K	2K
Forwarding Rate	7.44 Mpps	8.928Mpps	8.928 Mpps	14.88 Mpps
PoE Watchdog	-	√*	√*	√*
PoE Usage LED	-	-	-	-
DIP Switch	-	VLAN/Default /Extend	VLAN/Default/Extend	Default/Extend
Extend Mode Port	-	Port 3-4	Port 3-4	Port 7-8
Power Input	External AC	Internal AC100-240V	Internal AC 100-240 V	
Max Heat Output (BTU/h)	221.65	409.2	409.2	409.2
Dimension (mm)	119×85×28	200×118×44	200×118×44	220×161×44
Installation	Wall-mount, Desktop	Wall-mount, Desktop	Wall-mount, Rack-Mount	

Gigabit PoE



	GS1010PE	GS1010P	GS1010PS2
Models	GS1010PE	GS1010P	GS1010PS2
PoE Ports	8GbE	8GbE	8GbE
Uplink Ports	2GbE	2GbE	2GbE+2SFP
Power Supply (W)	120	120	120
Max Output per PoE (W)	30	30	30
PoE Standards	802.3at/af	802.3at/af	802.3at/af
MAC Address Table	2K	2K	2K
Forwarding Rate	14.88 Mpps	14.88 Mpps	17.856 Mpps
PoE Watchdog	√*	√*	√*
PoE Usage LED	-	-	-
DIP Switch	VLAN/Default/Extend	VLAN/Default/Extend	Default /Extend
Extend Port	Port 7-8	Port 7-8	Port 7-8
Power Input	Internal AC 100-240 V	Internal AC 100-240 V	Internal AC100-240 V
Max Heat Output (BTU/h)	409.2	409.2	409.2
Dimension (mm)	220×163×40	220×150×44	220×161×44
Installation	Wall-mount, Rack-Mount		

*PoE watchdog is enabled on all PoE ports under VLAN or Extend Mode

Gigabit PoE



	GS1020PS2	GS1018PS2	GS1026PS2	GS1028PS2
Models	GS1020PS2	GS1018PS2	GS1026PS2	GS1028PS2
PoE Ports	16GbE	16GbE	24GbE	24GbE
Uplink Ports	2SFP	2GbE+2SFP	2GbE+2SFP	2SFP
Power Supply (W)	200	200	300	300
Max Output per PoE (W)	30	30	30	30
PoE Standards	802.3at/af	802.3at/af	802.3at/af	802.3at/af
MAC Address Table	8K	8K	8K	8K
Forwarding Rate	26.78 Mpps	29.76 Mpps	41.644 Mpps	38.68 Mpps
PoE Watchdog	-	√*	√*	-
PoE Usage LED	√	√	√	√
DIP Switch	VLAN/Default/Extend	Default/Extend	Default/Extend	VLAN/Default/Extend
Extend Port	Port 9-16	Port 9-16	Port 17-24	Port 17-24
Power Input	Internal AC 100-240 V	Internal AC100-240 V	Internal AC100-240 V	Internal AC 100-240 V
Max Heat Output (BTU/h)	682	682	1023	1023
Dimension (mm)	440×204×44	320×207×44	320×207×44	320×207×44
Installation	Desktop, Rack-mount	Desktop, Rack-mount	Desktop, Rack-mount	

*PoE watchdog is enabled on all PoE ports under VLAN or Extend Mode

2.5G PoE



5-Port 2.5G PoE+ Switch HS105P

- 4× 2.5GbE PoE+ Ports
- 1× 2.5GbE Uplink Port
- 120 W Power Budget

Wi-Fi 6 AP + 2.5G PoE Switch = **2.5 X Faster**
Unleash the full speed of Wi-Fi 6 Access Point

Looking for PoE Access Point Controllers? Check C200P on page 23.

L2 Managed PoE Switches



Models		GS2008PS2	GS2018PS2	GS2028PS4	GS2048PS4
Hardware	PoE+ Ports	8× GbE	16× GbE	24× GbE	44× GbE
	PoE++ Ports	-	-	-	4× GbE
	Uplink Ports	2× SFP	2× GbE+2× SFP	4× Combo	4× 10G SFP
	Console Ports	1× RJ45	1× RJ45	1× RJ45	1× RJ45
	Power Supply (W)	130	200	300 / 400	720
	Max Output on Single Port (W)	30	30	30	30 (PoE+) 90 (PoE++)
	PoE Standards	802.3at/af			802.3bt/at/af
	PoE Watchdog	✓	✓	✓	✓
	Fans	-	-	-	✓
	Power Input	Internal AC 100–240 V			
Performance	MAC Address Table	8K	8K	8K	32K
	Jumbo Frame	9.6 KB	9.6 KB	9.6 KB	12 KB
	VLANs	4096	4096	4096	4096
	Forwarding Rate	14.88 Mpps	29.76 Mpps	41.66 Mpps	130.94 Mpps
L2 Features	DHCP Snooping	✓			
	IGMP Snooping	V1/V2/V3			
	Spanning Tree	STP/RSTP/MSTP			
	VLAN	802.1Q/MAC/Protocol GVRP/Voice VLAN			
	QoS	8 Queues, 802.1p/DSCP, Port/IP Classification, SP/WRR Queue Scheduling Flow Rate Limit			
	Authorization	802.1x/AAA/TACACS+/RADIUS			
	Rate Limiting	✓			
	Port Isolation	✓			
	Port Mirroring	✓			
	Link Aggregation	LACP (802.3ad), Static			
Management	DDM	✓			
	SNMP	V1/V2/V3			
	CLI	Telnet/SSH			Telnet
Physical	RMON	Statics/History/Event/Alarm			✓
	Reset Button	✓	✓	✓	✓
	Dimension (mm)	261×181×44	440×205×44	445×285×45	440×305×44
	Installation	Rackmount	Rackmount	Rackmount	Rackmount

L3 Managed PoE+ Switch



24-Port L3 Managed Gigabit PoE+ Switch with 4 10G SFP Slots
GS5024PS4-400W

- 24× GbE Ports with 802.3at/af PoE support
- 4× 10G Uplink SFP+ Ports
- 1× RJ45 and 1× USB Console Port
- 400 W Total PoE Budget
- 128 Gbps Backplane Bandwidth
- L2 Management Functions
- L3 Management Functions
- 440×280×44 mm
- 1U Rackmount

Simplify Wiring with PoE Adapters



Power the Devices with Correct PoE Adapters

PoE / 802.3af		PoE+ / 802.3at		PoE++ / 802.3bt	
Distance	Theoretical Max Power	Distance	Theoretical Max Power	Distance	Theoretical Max Power
1 m	15 W	1 m	30 W 2-pair 60 W 4-pair	1 m	60 W 2-pair 90 W 4-pair
100 m	12.95 W	100 m	25.5 W 2-pair 51 W 4-pair	100 m	51 W 2-pair 71 W 4-pair

*For long-distance PoE applications, Cudy recommends using a Cat5e or higher Ethernet cable with wires of low gauge (22 or 24) to reduce power drop and heat accumulation.



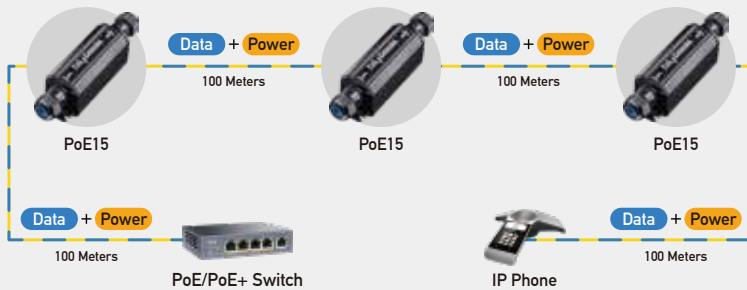
Models	POE200	POE300	POE350	POE400
PoE Power	30 W	60 W	90 W	90 W
PoE Standards	802.3at/af	802.3bt/at/af	802.3bt/at/af	802.3bt/at/af
Ethernet Ports	GbE In GbE Out	GbE In GbE Out	GbE In GbE Out	GbE In GbE Out
Pins	1/2-, 3/6+	1/2-, 3/6+; 4/5+,7/8-	1/2-, 3/6+; 4/5+,7/8-	1/2-, 3/6+; 4/5+,7/8-
Housing	Plastic	Metal	Metal	Metal
Wall Mounting	—	✓	✓	✓

PoE Extenders

Extend PoE for 100 Meters



Support up to 3 PoE+ Extenders for 400 Meters Distance



Supports connecting up to 3 extenders in a daisy chain for reaching powered devices 400 m away, reducing the wiring complexity in a larger area.

IP67 Waterproof for Outdoor Use



Cudy POE15 and POE25 can function normally regardless of harsh weather challenges.



	POE10	POE15	POE25	POE40
Models	POE10	POE15	POE25	POE40
PoE IN	1× GbE	1× GbE	1× GbE	1× GbE
PoE Out	1× GbE	1× GbE	2× GbE	4× GbE
Max In Wattage	30 W	30 W	60 W	60 W
Max Out Wattage	25.5 W	25.5 W	2× 25.5 W	2× 25.5 W or 4× 15 W
Daisy Chain	up to 3			
Compatible PoE Standards	802.3at/af	802.3at/af	802.3bt/at/af	802.3bt/at/af
Out PoE Standards	802.3at/af			
Water-proof	-	IP67	IP67	-
Wall Mounting	✓			

Fiber to Ethernet Media Converter

Speed	Fiber	Mode	Distance
10/100M	Single	SM	550m 40km
10/100/1000M	Dual	MM	2km 60km
10G			10km 80km
			20km 100km



Models	Fiber Connectors	Copper Ports	Fiber Transmission Distance	Fiber Type	Fiber Number	Wavelength	Dimensions (W x D x H)	Power	
MC100MA-2	155 Mbps SC	10/100 Mbps RJ45	2 KM	Multi-Mode	Dual Fibers	1310 nm	26 x 70 x 94 mm	5 V / 1 A	
MC100SA-20			20 KM	Single-Mode	Single Fiber	1310 nm			
MC100SB-20A						TX: 1310 nm RX: 1550 nm			
MC100SB-20B			TX: 1550 nm RX: 1310 nm						
MC100GMA-05	1.25 Gbps SC	10/100/1000 Mbps RJ45	550 m	Multi-Mode	Dual Fibers	850 nm			
MC100GSA-20			20 KM	Single-Mode		Single Fiber			1310 nm
MC100GSA-40			40 KM						1550 nm
MC100GSA-60			60 KM						TX: 1310 nm RX: 1550 nm
MC100GSA-80			80 KM		TX: 1550 nm RX: 1310 nm				
MC100GSA-100			100 KM	20 KM	Single-Mode	Single Fiber			TX: 1310 nm RX: 1550 nm
MC100GSB-20A			40 KM						
MC100GSB-40A			60 KM						
MC100GSB-60A			20 KM						
MC100GSB-20B			40 KM						
MC100GSB-40B			60 KM						
MC100GSB-60B									
MC220			SFP	10G RJ45	Depending on the installed SFP Modules				
MC10G									
MC220P	10/100/1000 Mbps RJ45 PoE+ (802.3at/af)								
MC100GSA-20P	1.25 Gbps SC		20 KM	Single-Mode	Dual Fibers	1310 nm	DC 47-57V		

For more variants, please contact sales@cudy.com

Modules

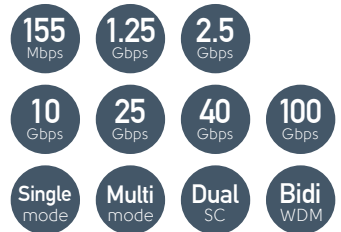


Media Converter Chassis

MC1402

2U / 19-inch / 14-Slot

Dual AC Power Supplies / 220 V + 48 V



Fiber modules are used to provide high-speed and reliable connectivity between network devices over long distances. Fiber optic cables use light to transmit data, which allows for significantly higher speeds and greater distances without degradation of signal quality.



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1. Maximum signal rates are the physical rates derived from IEEE 802 specifications. Actual data throughput, coverage, and quantity of connected devices are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.

2. Use of Wi-Fi 6/6E, 160 MHz, WPA3, MU-MIMO, OFDMA, DL/UL MU-MIMO, and DL/UL OFDMA requires client devices to also support corresponding features.

3. Power delivery function requires the powered device to match the corresponding power standards and output wattage.