Routers / Mesh / 4G 5G / Docks / AP / Adapters / Switches

Networking
Product Guide

www.cudy.com

Travel Routers

Model: TR3000 / TR1300 / TR1200

L2TP IPSec PPTP VPN OPENVPN WIREGUARD

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

amfori
Trade with purpose
Member of amfori, the leading global business association for open and sustainable trade. We participate in amfori **BSCI.**

NOA ISO 9001 MANAGEMENT CERTIFICATION

NOA ISO 14001 MANAGEMENT CERTIFICATION

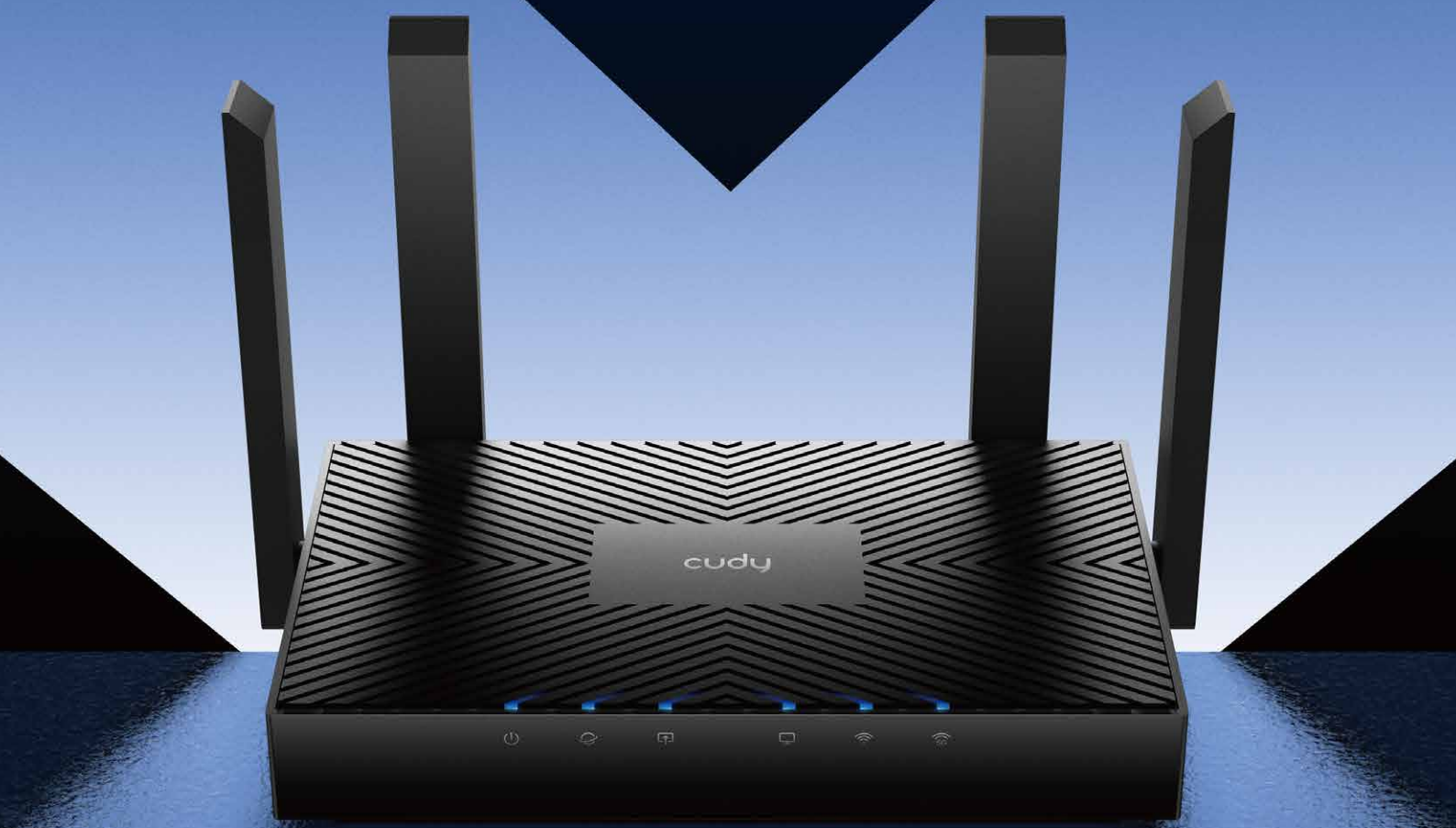
FASTER, STRONGER,

MORE STABLE WIFI THAN EVER

AX3000

Faster, Stronger, Unstoppable Wi-Fi 6

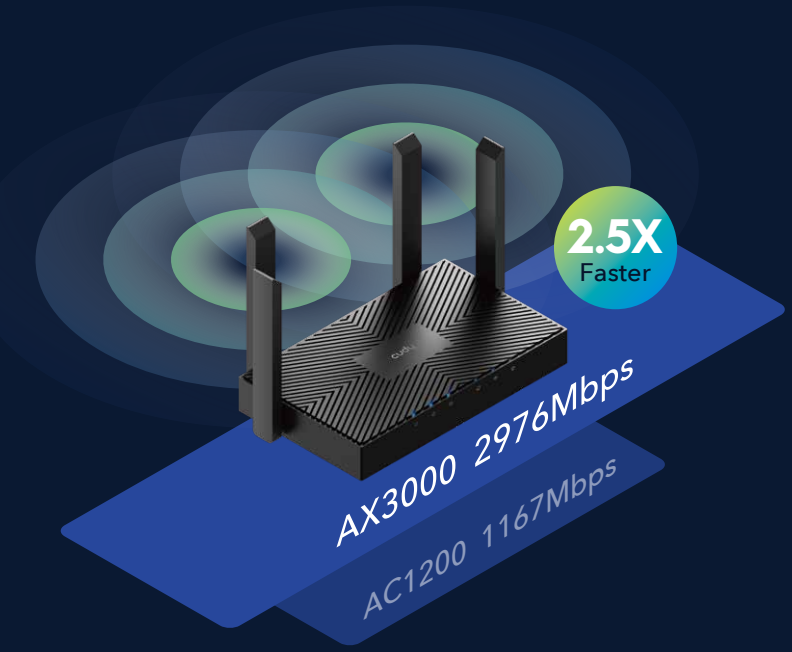
WHOLE HOME MESH



AX3000 Gigabit Dual Band Wi-Fi 6 Router

Model: WR3000

Wi-Fi 6 Upgrades Everything



Speed Comparison: 2×2 Wi-Fi 6 vs 2×2 Wi-Fi 5

160 MHz Bandwidth

80 MHz Bandwidth

2X Wider

Faster Speed Eliminates Throttling

Wi-Fi 6 is designed to provide faster peak data rates and better performance in environments with high device density. With 1024-QAM, 160 MHz on the 5 GHz band, and a faster OFDM symbol rate, it delivers up to 2.5 times higher throughput than Wi-Fi 5. On mainstream products, downloads through Wi-Fi can now easily rival the speed of a Gigabit wired connection.

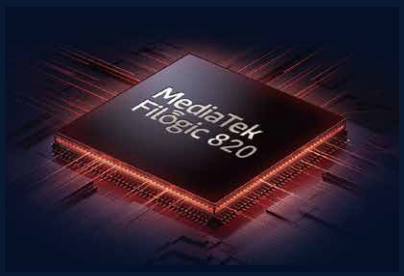
1024-QAM	160 MHz	Faster OFDM Symbol Rate
25% ↑	**100%** ↑	**10%** ↑

DL/UL OFDMA & DL/UL MU-MIMO

Connect More, Stay Responsive

With OFDMA and MU-MIMO technologies, multiple devices communicate simultaneously at the same time, reducing latency and making your network super-responsive.

4X Capacity



1.3 GHz Dual-Core CPU

A 4-nm Wi-Fi 6 CPU delivers amazing efficiency bump, making your network more responsive.

WPA3 Encyrption

Lastest wireless encryption protects your Wi-Fi from brute-force attack.

VPN Server and Client

Support popurlar VPN protocols for WFH and secure remote access.

Wi-Fi Routers

AX3000 2.5G Mesh Wi-Fi 6 Router
WR3000 2.5G

Wi-Fi 6
- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
- Beamforming, 5 dBi Antennas

Interfaces
- 1× 2.5G WAN Port, 4× Gigabit LAN Ports
- WPS Button, Reset Button

Software
- WPA3 Wi-Fi Encryption
- PPTP/L2TP/ WireGuard/OpenVPN
- DNS over TLS with Cloudflare/Google/Quad9
- 5-IN-1 Router/AP/RE/WISP/Mesh
- IPv6/IPv4, IPTV/VLAN
- TR069/TR098/TR111/TR181

AX3000 Gigabit Mesh Wi-Fi 6 Router
WR3000

Wi-Fi 6
- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
- Beamforming, 5 dBi Antennas

Interfaces
- 1× Gigabit WAN Port, 3× Gigabit LAN Ports
- WPS Button, Reset Button

Software
- WPA3 Wi-Fi Encryption
- PPTP/L2TP/ WireGuard/OpenVPN
- DNS over TLS with Cloudflare/Google/Quad9
- 5-IN-1 Router/AP/RE/WISP/Mesh
- IPv6/IPv4, IPTV/VLAN
- TR069/TR098/TR111/TR181

AX1800 Gigabit Mesh Wi-Fi 6 Router
X6

Wi-Fi 6
- 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- DL MU-MIMO, DL OFDMA
- Beamforming, 5 dBi Antennas

Interfaces
- 1× Gigabit WAN Port, 4× Gigabit LAN Ports
- WPS Button, Reset Button

Software
- WPA3 Wi-Fi Encryption
- PPTP/L2TP/ IPSec/WireGuard/OpenVPN/Zerotier
- DNS over TLS with Cloudflare/Google/Quad9
- 5-IN-1 Router/AP/RE/WISP/Mesh
- IPv6/IPv4, IPTV/VLAN
- TR069/TR098/TR111/TR181

AX1500 Gigabit Wi-Fi 6 Router
WR1500

Wi-Fi 6
- 1201 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- MU-MIMO, OFDMA (TBD)
- Beamforming, 5 dBi Antennas

Interfaces
- 1× Gigabit WAN Port, 3× Gigabit LAN Ports
- WPS Button, Reset Button

Software
- WPA3 Wi-Fi Encryption
- 2-IN-1 Router/AP
- IPv4
- TR069

AC1200 Gigabit Mesh Wi-Fi Router

WR1300

- AC1200 Dual-Band Wi-Fi
- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× Gigabit WAN Port, 4× Gigabit LAN Ports
- WPS Button, Reset Button
- VPN Server, VPN Client, DNS over TLS
- 5-IN-1 Router/AP/RE/WISP/Mesh
- IPv6/IPv4, IPTV/VLAN
- TR069/TR098/TR111/TR181

AC1200 Gigabit Wi-Fi Router

WR1300E

- AC1200 Dual-Band Wi-Fi
- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× Gigabit WAN Port, 2× Gigabit 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

AC1200 Wi-Fi Router

WR1200

- AC1200 Dual-Band Wi-Fi
- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× 10/100M WAN Port, 4× 10/100M LAN Ports
- WPS Button, Reset Button
- VPN Client, DNS over TLS
- 4-IN-1 Router/AP/RE/WISP
- IPv6/IPv4
- TR069/TR098/TR111/TR181

N300 Wi-Fi Router

WR300

- N300 Wi-Fi
- 300 Mbps (2.4 GHz)
- 1× 10/100M WAN Port, 3× 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.

Travel Routers

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

Buttons
- 1× Configurable Switch, 1× 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 Gigabit Wi-Fi Travel Router

TR1300

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

Interfaces
- 1× Gigabit WAN Port
- 1× Gigabit LAN Port
- 1× USB-A 3.0 Port
- 1× microSD Card Slot
- 1× USB-C for Power Supply

Buttons
- 1× Configurable Switch, 1× 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
- 1× 10/100 Mbps WAN Port
- 1× 10/100 Mbps LAN Port
- 1× USB-A Port
- 1× USB-C for Power Supply

Buttons
- 1× Configurable Switch, 1× 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 14

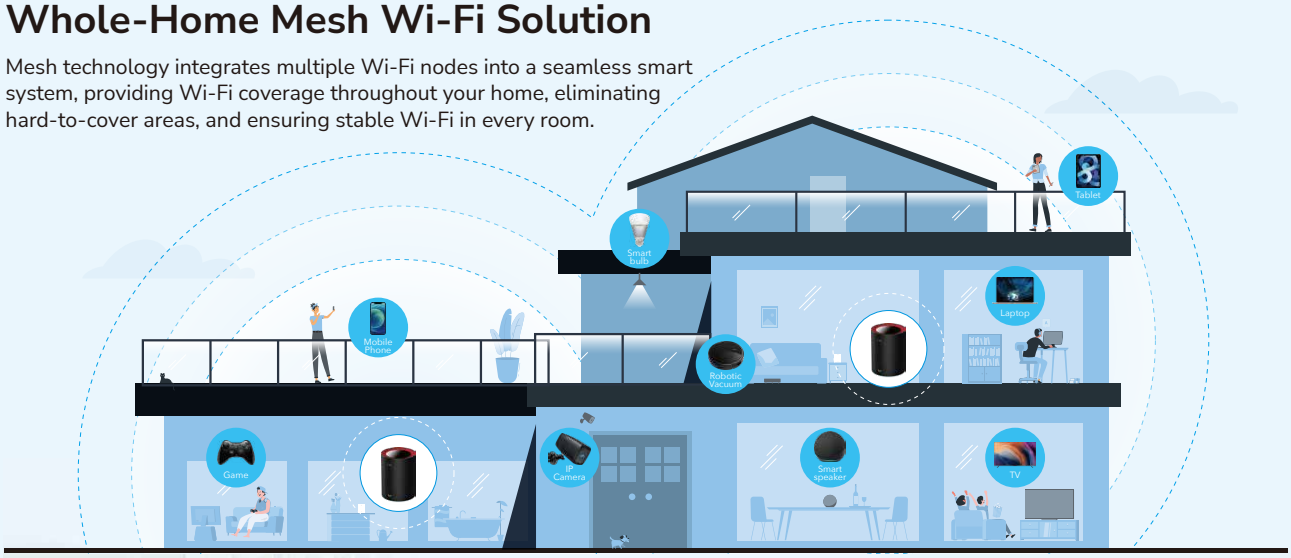
AX3000

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.

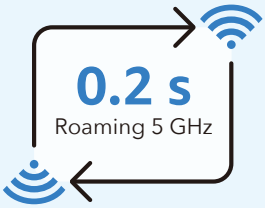
Boosted Whole-Home Coverage

1-Pack for Single-Bedroom Houses

2-Pack for Split-Level Houses

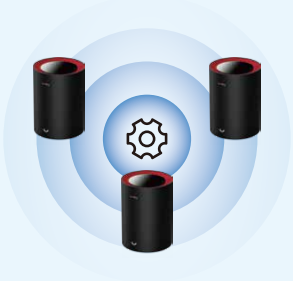
3-Pack for Tri-Level Houses

Fast Roaming



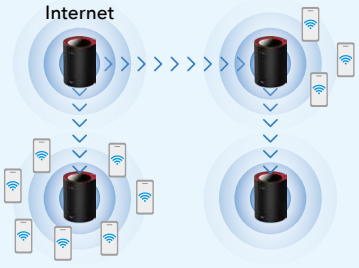
Auto switching between WiFi finishes instantly, ensuring uninterrupted calling and streaming when moving around.

Easy Management



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.

BE5000 Whole-Home Wi-Fi 7 Mesh System with 2.5G Port

M5000 3-Pack / 2-Pack / 1-Pack

Unit Spec

- Wi-Fi 7, 4323 Mbps (5 GHz) + 688 Mbps (2.4 GHz)
- 5× Internal Antennas
- 1× 2.5 Gbps Port + 2× Gigabit Ports
- Easy Mesh, Fast Roaming
- 160 MHz, MLO, MRU, 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 3-Pack / 2-Pack / 1-Pack

Unit Spec

- Wi-Fi 6, 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 5× Internal Antennas
- 1× 2.5 Gbps Port + 1× Gigabit Port
- Easy Mesh, 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)
- 4× Internal Antennas
- 2× 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)
- 4× Internal Antennas
- 2× 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)
- 2× Internal Antennas
- 2× 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

- 1× Gigabit Port

Security

- WPA3 Wi-Fi Encryption

Buttons

- 1× WPS Button, 1×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

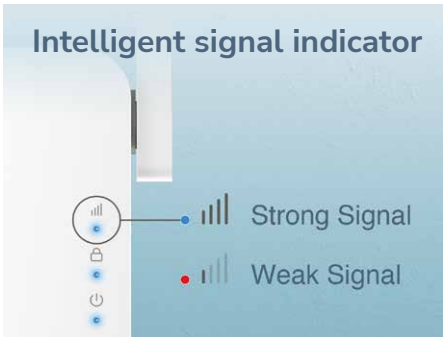
- Wi-Fi 6
- 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- DL MU-MIMO, DL OFDMA
- 1× Gigabit Port
- 1× WPS Button + 1× Reset Button
- Intelligent Signal Indicator
- 3-IN-1 RE/AP/Add-on Mesh
- WPA3 Security
- US/EU/UK/AU Plug

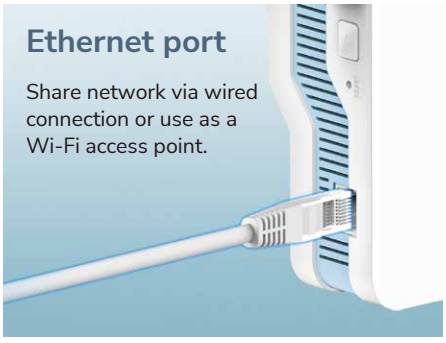
AC1200 Mesh Wi-Fi Extender

RE1200

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

Highlight Features





13 In 1 USB-C Docking Station

Max Dual 4K

Support connecting display monitors with output resolution up to UHD under 60 Hz refresh rate.

Max 100W PD Power Delivery

Provide 100W Power Delivery for your USB-C/Thunderbolt laptops, saving the hassle of plugging a power cord.

Super-Fast Data Transfer

Up to 10 Gbps bandwidth delivers super-fast latency-free file transfer and display syncing.

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 40 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 1× 10 Gbps USB-C 3.2 Gen 2	PD 100 W 1× 10 Gbps USB-C 3.2 Gen 2	15 W 1× 5 Gbps USB-C 3.2 Gen 1
USB	2× 10 Gbps USB-C 3.2 Gen 2 (Up to 15 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 15 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 15 W total) 4× 5 Gbps USB-A 3.2 Gen 1 (Up to 15 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

4G LTE Advanced

Cat.6

4G Cat 6 AC1200 Wi-Fi 6 Router

Model: LT700

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		2×2 DL MIMO	DL CA 4×4 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, LT500D, MF4	LT700	LT12	LT18	P4, P5
	Voice	LT500V	LT700V	LT15V		
	Outdoor	LT400 Outdoor, LT500 Outdoor	LT700 Outdoor	ODU12		ODU5G
	Industrial	IR04	IR06	IR12		IR5G

5G SA/NSA AX3000 Wi-Fi 6 Router with 2.5G Port and Voice

P4

5G REL 16

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

Wi-Fi 6

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

Interfaces

- 1× 2.5G WAN/LAN Port
- 1× Gigabit LAN Port
- 1× RJ11 Port
- 1× Nano SIM Slot
- 2× External Cellular Antenna Interfaces

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
- 4×4 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

- 1× Gigabit WAN/LAN Port
- 3× Gigabit LAN Ports
- 2× Nano SIM Slots
- 4× 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

Looking for 5G ODU? Check ODU5G on page 18

4G Cat 18 AX1800 Wi-Fi 6 Router

LT18

- 4G+ LTE Cat. 18
- 4×4 MIMO, DL 5-Carrier Aggregation
- AX1800 Wi-Fi 6, MU-MIMO, OFDMA
- 4× Gigabit Ports + 2× Nano SIM Slots
- 4× 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 AC1200 Wi-Fi Router

LT12

- 4G+ LTE Cat. 12
- 4×4 MIMO, DL 3-Carrier Aggregation
- AC1200 Wi-Fi
- 4× Gigabit Ports + 2× Nano SIM Slots
- 4× 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

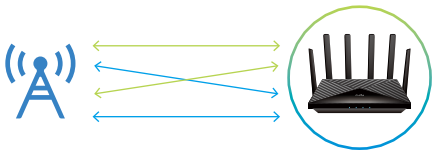
LT700

- 4G+ LTE Cat. 6
- 4×4 MIMO (Optional), DL 2-Carrier Aggregation
- AC1200 Wi-Fi
- 4× Gigabit Ports + 2× Nano SIM Slots
- 4× 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

What make LTE-A (4G+) Faster than 4G?

Carrier Aggregation

Utilises multiple available carrier bands to multiply the bandwidth. From Cat. 6 which uses 2, to Cat. 18 which uses 5 bands.



4×4 MIMO

Establishes multiple streams to connect base station to improve connection quality and speed.

4G LTE Cat 4 AC1200 Wi-Fi Router
LT500D

- 4G LTE Cat. 4
- AC1200 Wi-Fi
- 4× 10/100 Mbps Ports + 1× Nano SIM Slot
- 2× SMA Interfaces (Cellular)
- 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
LT500

- 4G LTE Cat. 4
- AC1200 Wi-Fi
- 4× 10/100 Mbps Ports + 1× Nano SIM Slot
- WAN/Cellular Failover
- Mesh, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181

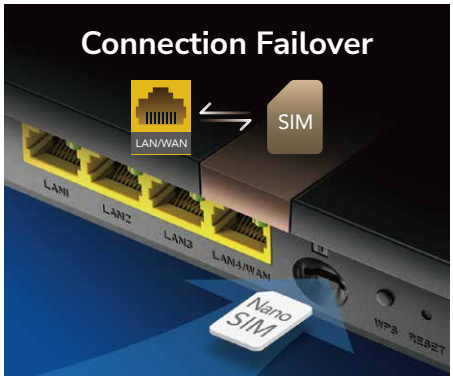
4G LTE Cat 4 N300 Router
LT400

- 4G LTE Cat. 4
- N300 Wi-Fi
- 4× 10/100 Mbps Ports + 1× Nano SIM Slot
- WAN/Cellular Failover
- Mesh, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- TR069/TR098/TR111/TR181

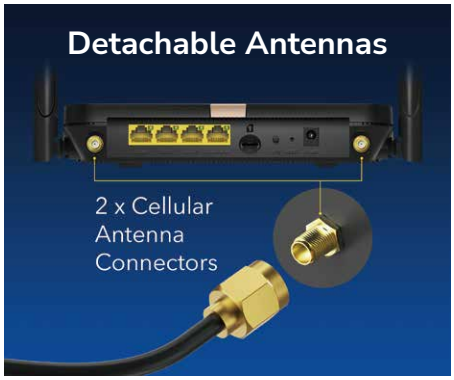
4G LTE Cat 4 Mobile Wi-Fi
MF4

- 4G LTE Cat. 4
- N150 Wi-Fi
- 1× Nano SIM Slot
- 2000 mAh Battery

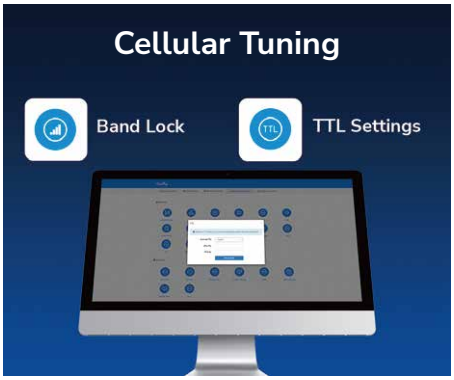
Features for Personalized Optimization



WAN Failover / Dual SIM Failover



SMA Interface (Cellular)



Band Lock/TTL Settings

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
-20°C / 60°C
Running temperature. Storage in environment of -40°C / 70°C

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 -20~60 °C Operation Temp.	IP65 Water/Dustproof 4 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -20~60 °C Operation Temp.	IP65 Water/Dustproof 4 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -20~60 °C 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		

ODU

High-Speed Internet for Anywhere

ODU for Fixed Wireless Access

5G NR SA/NSA Outdoor Router

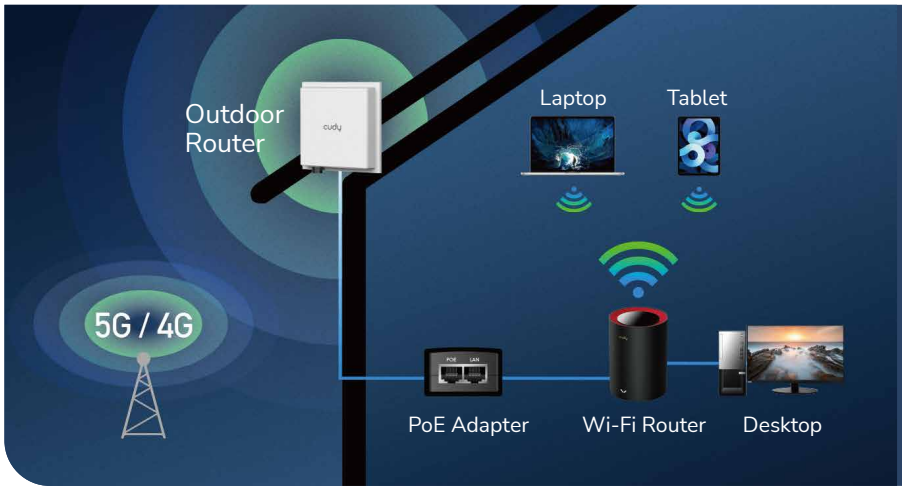
ODU5G

- 5G Rel. 16 up to 3.4 Gbps Download
- 2.5 Gbps Ethernet Port (PoE In)
- -40 ~ 70 °C Working Temperatures
- 6 kV Lightning Protection
- IP68 Dust/Water Proof
- 802.3at/af Powering
- Nano SIM Slot
- TR-069/TR-098/TR-181/TR-111/TR-369

4G LTE-A Pro Outdoor Router

ODU12

- 4G Cat. 12 up to 600 Mbps Download
- Gigabit Ethernet Port (PoE In)
- -40 ~ 70 °C Working Temperatures
- 6 kV Lightning Protection
- IP68 Dust/Water Proof
- 802.3at/af Powering
- Nano SIM Slot
- TR-069/TR-098/TR-181/TR-111/TR-369



FWA Solution

Provide your clients with super-fast broadband service anywhere while also saving the cost for cabling and wiring .

With an ODU dedicated to communicating with the base station, taking advantage of full-bar signals, clients can experience a more responsive FWA that rivals the fixed wired network.

Industrial 4G Router

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	2× SIM Slots (Mini SIM-2FF)			
Wi-Fi	N300	AX3000	AX3000	AX3000
Ethernet	4× 10/100 Mbps Ports	4× Gigabit Ethernet Ports		
USB	1× USB (File Sharing / USB-to-Serial)			
I/O's	1× DB9 (RS232/RS422/RS485) 1× 6-PIN (RS485, Optional) 1× 10-PIN (Optional) MODBUS TCP Master/Slave MODBUS RTU Master/Slave			
Antennas	2× SMA for LTE, 1× SMA for GNSS, 2× RP-SMA for WiFi			
Power Interface	1× DC Jack, 1× 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 Gateway 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
- 1× SC/APC Port (GPON/EPON)
- 4× Gigabit Ethernet Ports
- 1× USB 3.0 (Optional)
- 1× 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
- 1× SC/APC Port (GPON/EPON)
- 4× Gigabit Ethernet Ports
- 1× FXS Port (VoIP)
- 1× 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
- 1× SC/APC Port (GPON/EPON)
- 4× Gigabit Ethernet Ports
- 1× USB 2.0 (Optional)

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

1-Port Gigabit xPON Terminal

GP100

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

Buttons
- Reset Button

Wi-Fi 6E

Enjoy Latest Wi-Fi 6E
Better and Faster!

USB Adapters

AX1800 Wi-Fi USB 3.0 Adapter
WU1800

- Dual-Band Wi-Fi 6
- Up to 1201 Mbps at 5 GHz
- Up to 574 Mbps at 2.4 GHz
- Requires USB 3.0 Port for Full Speed
- Windows XP to 11 / Mac OS / Linux
- 79×30×10 mm

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
- 37.5×17×8.5 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
- 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
- 20×15×8 mm

Universal Compatibility
Compatible with different operating systems.

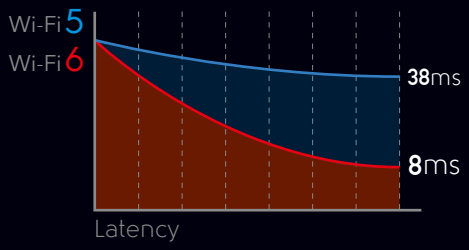
Dual Band
Bring legacy device on the faster 5 GHz network and enjoy 3x faster speed.

Compact Design
Small footprint saves travelling space.

Why Upgrade to Wi-Fi 6/6E?

Lower Latency

Crush the latency and boost performance in gaming and enjoy smoother video playback.



Unleashes 2 Gbps Speed

Download games or upload videos at a whopping 2 Gbps Wi-Fi speed, twice as fast as Gigabit wired solution.

Greenfield 6 GHz

Cudy Wi-Fi 6E adapters connect your devices to the newly-opened 6 GHz band for congestion-free connections.

PCI-E Adapters

AX5400 Wi-Fi 6E Bluetooth 5.2 PCI-E Adapter

WE3000

- Intel AX210 Module
- Up to 2402 Mbps on 5/6 GHz
- Up to 574 Mbps on 2.4 GHz
- 2× 5 dBi High-Gain Antennas
- Bluetooth 5.2 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included

AX5400 Wi-Fi 6E Bluetooth 5.2 PCI-E Adapter

WE3000S

- Intel AX210 Module
- Up to 2402 Mbps on 5/6 GHz
- Up to 574 Mbps on 2.4 GHz
- 2× 5 dBi High-Gain Antennas
- Bluetooth 5.2 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included
- Improved Dissipation with Heatsink

AX5400 Wi-Fi 6E Bluetooth 5.2 PCI-E Adapter

WE4000

- Intel AX210 Module
- Up to 2402 Mbps on 5/6 GHz
- Up to 574 Mbps on 2.4 GHz
- 2× 5 dBi High-Gain Antennas
- Bluetooth 5.2 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included
- Improved Dissipation with Heatsink
- Magnet Antennas Base

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

Model: AP3000

AX3000 Wireless Access Point with 2.5G Port

Cudy access points are designed to meet Wi-Fi coverage needs of any scenarios. Equipped with omnidirectional antennas and fast roaming technology, Cudy access points provide a seamless and reliable Wi-Fi experience for hundreds of devices simultaneously.

Wi-Fi 6

Improves network efficiency to handle high-density scenarios

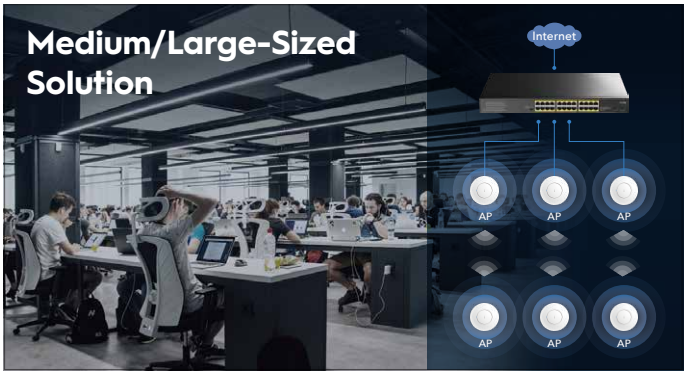
2.5 Gbps Port

Unleashes the full wireless speed to enable faster transmission for more devices.

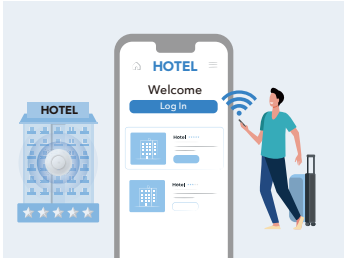
Fast Roaming

Provides uninterpreted WiFi connection for customers even when they are moving around.

Wi-Fi Coverage Everywhere, No Matter Small or Large

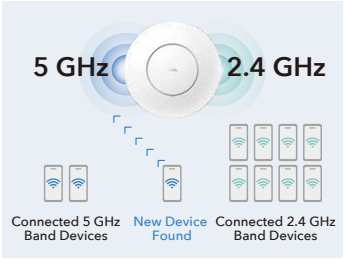


A Smart Business Wi-Fi for Customers Satisfaction



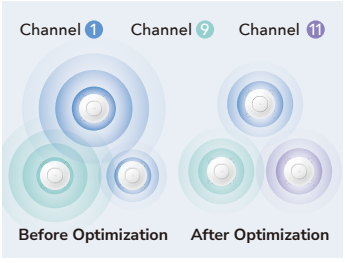
Captive Portal

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



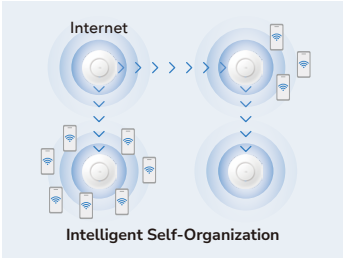
Band Steering

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.

Indoor AP



Products	AX6000 2.5G Wi-Fi 6 AP	AX3000 2.5G Wi-Fi 6 AP	AC1200 Gigabit Wi-Fi AP
Models	AP6000	AP3000	AP1300
Wi-Fi	AX6000 Wi-Fi 6	AX3000 Wi-Fi 6	AC1200
Antennas	TBD	5× Internal 2.4 GHz: max 4.3 dBi 5 GHz: max 6.8 dBi	4× Internal 2.4 GHz: max 4.6 dBi 5 GHz: max 5.6 dBi
Interfaces	1× 2.5 Gbps Port (PoE In) 1× Power Jack	1× 2.5 Gbps Port (PoE In) 1× Power Jack	1× Gigabit Port (PoE In) 1× Power Jack
Power	802.3at PoE DC	802.3at/af PoE Passive PoE (48-57 V) DC (12-48V)	802.3at/af PoE Passive PoE (24–57 V) DC
Buttons	1× Reset	1× Reset	1× Reset
Dimensions	Ø231.9 ×57.1 mm	Ø231.9 ×57.1 mm	Ø231.9 ×57.1 mm
Advanced Features	DL/UL MU-MIMO, DL/UL OFDMA, Beamforming		MU-MIMO, Beamforming
Features with an AP Controller	Fast Roaming, Mesh, Captive Portal, Auto Channel Selection, Auto Mesh Optimization		
Reliability	Hardware Watchdog, Schedule Reboot		

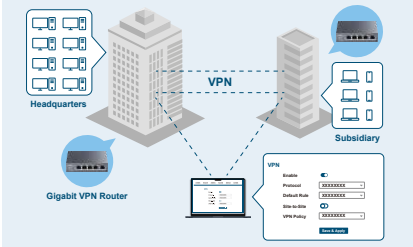
Outdoor AP



Products	Outdoor AX3000 High-Power Wi-Fi 6 Access Point	Outdoor AC1200 Wireless Access Point	Outdoor AC1200 Wireless Access Point
Models	AP3000 Outdoor	AP1300 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/Dustproof 6 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -20~60 °C Operation Temp.	IP65 Water/Dustproof 4 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -20~60 °C Operation Temp.	IP65 Water/Dustproof 4 KV Lightning-Protection 8 KV Contact ESD Protection 15 KV Air ESD Protection -20~60 °C Operation Temp.
Power	802.3at Passive PoE (48 – 57 V)	802.3at/af PoE 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 AP / RE / Mesh	DL MU-MIMO AP / RE / Mesh	DL MU-MIMO AP / RE
Reliability	Hardware Watchdog, Schedule Reboot		Schedule Reboot

Connect Multiple ISP

Improve network redundancy and bandwidth by utilizing multiple WAN ports. Smart load balancing can divide traffic according to the bandwidth of each link.



Keep Branches Connected

Merge online spaces for convenient and secure resource sharing between branches at different locations

Secure Remote Access

Supports 6 VPN protocols to access online content or services in a remote location.

Gigabit Multi-WAN VPN Router

R700

- Ports: 1× Gigabit RJ45 WAN Port, 3× Gigabit RJ45 WAN/LAN Ports, 1× 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

Enterprise Multi-WAN VPN Router

R800

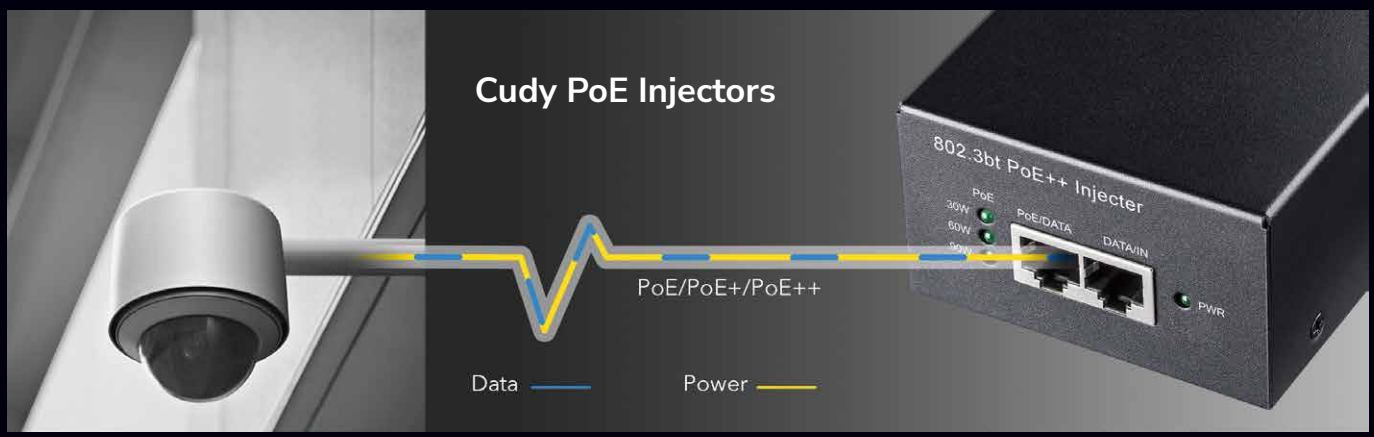
- Ports: 1× 2.5Gbps WAN Port, 4× Gigabit RJ45 WAN/LAN Ports, 1× Gigabit SFP
- PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier, DNS Over TLS with CloudFlare/Google
- Supports 100 IPsec VPN Tunnels, 50 PPTP/L2TP VPN Tunnels, 50 OpenVPN Tunnels, 150000 Concurrent Sessions
- Load Balance, Link Backup, Policy-based Firewall, Static Routing, Policy Routing, Multi-net DHCP, Guest Portal, VLAN

AP Controllers based on R700 and R800 are under development

Ethernet Switches

PoE Switches

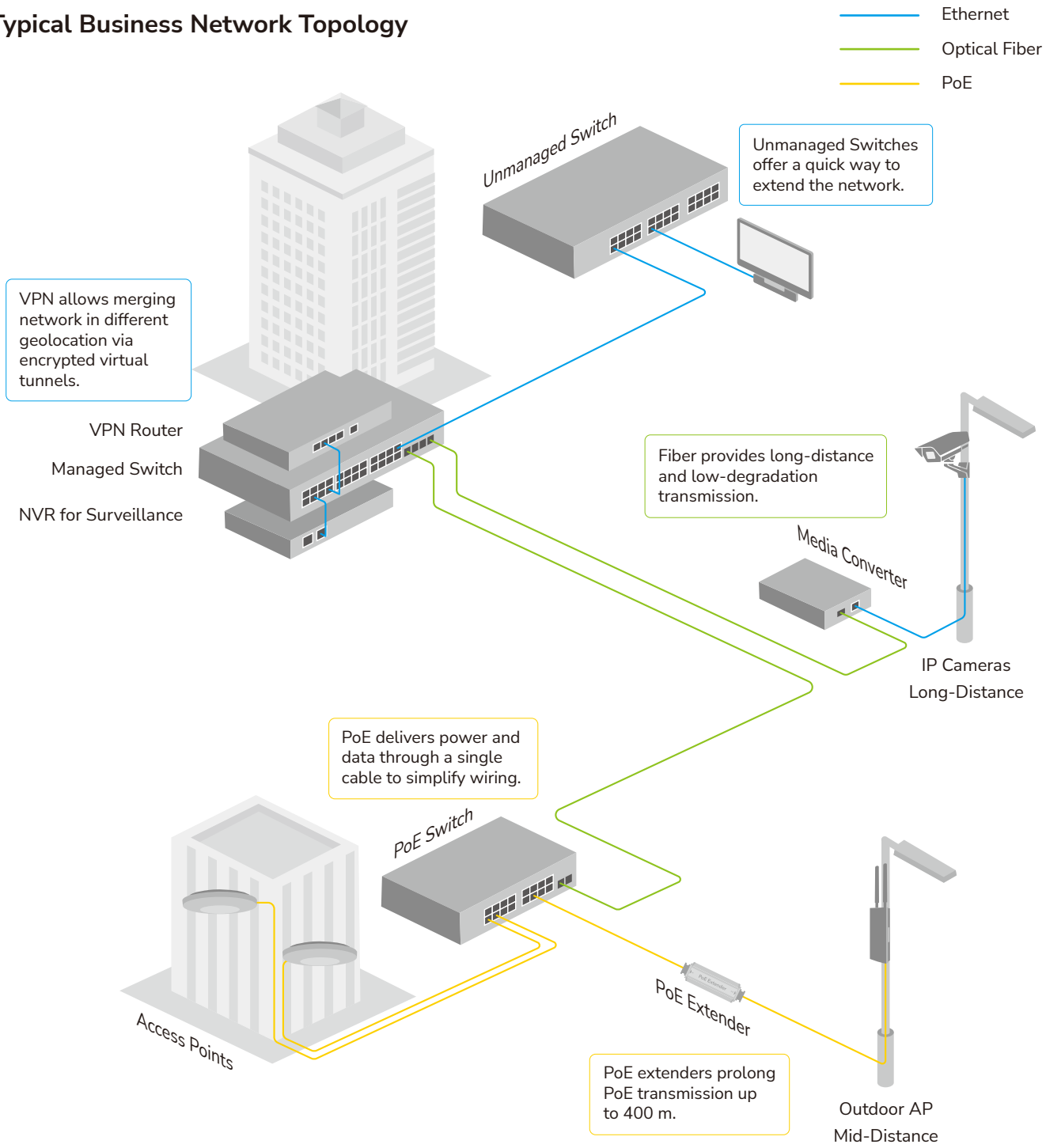
PoE Accessories

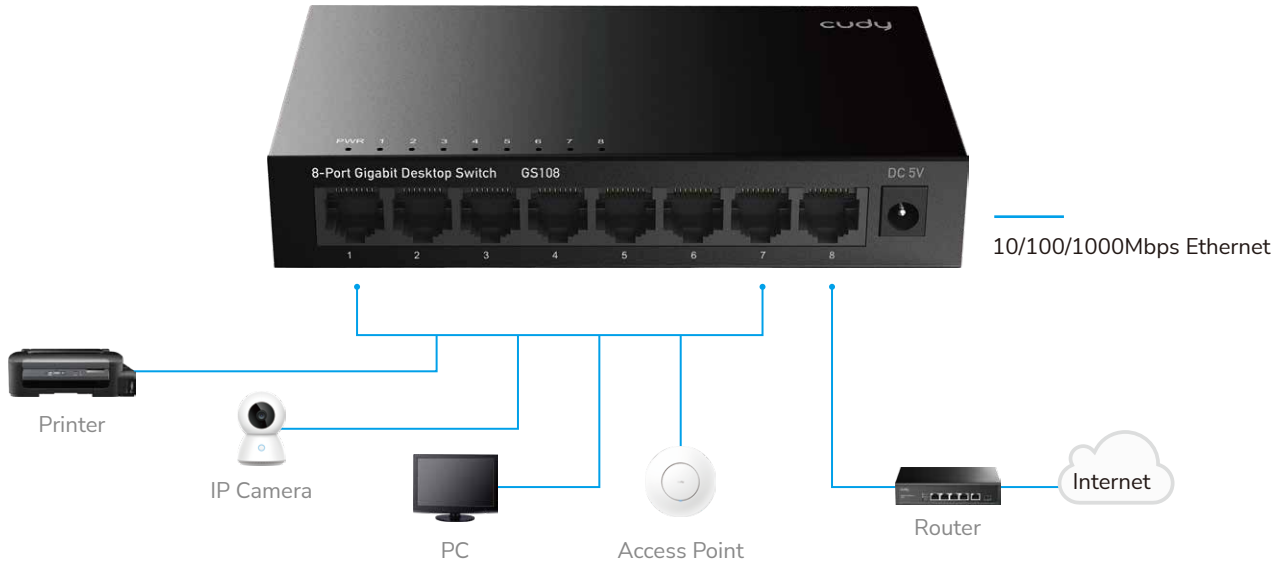


Build a Strong and Stable Business Network

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





Cudy unmanaged switches offer simple and reliable network expansion solutions for business and home users, covering demands in multiple scenarios such as deploying campus Wi-Fi, sharing network with FTTB, and adding surveillance unit.

10/100 Mbps Unmanaged Switches

Products	5-Port 10/100 Mbps Desktop Switch	8-Port 10/100 Mbps Desktop Switch	16-Port 10/100 Mbps Desktop Switch
Models	FS105D	FS108D	FS1016D
10/100 Mbps Ethernet Ports	5	8	16
Switching Capacity	1 Gbps	1.6 Gbps	3.2 Gbps
MAC Address Table	1K	1K	4K
Forwarding Rate	0.74 Mpps	1.19 Mpps	2.38 Mpps
Power Input	External DC Adapter 5 V / 0.5 A	External DC Adapter 5 V / 0.5 A	External DC Adapter 5 V / 1 A
Max Power Consumption	1.3 W	1.7 W	3.5 W
Power Saving	√	√	√
Auto Negotiation / Auto MDI/MDIX	√	√	√
Installation	Desktop	Desktop	Desktop, Wallmount
Dimensions (mm)	100×69×24	130.7×52.3×20	138×103×35

Gigabit Unmanaged Switches



Name	5-Port Gigabit Desktop Switch	8-Port Gigabit Desktop Switch	5-Port Gigabit Unmanaged Switch
Models	GS105D	GS108D	GS105
10/100/1000 Ports	5	8	5
Switching Capacity	10 Gbps	16 Gbps	10 Gbps
MAC Address Table	2K	8K	2K
Forwarding Rate	7.44 Mpps	11.9 Mpps	7.44 Mpps
DIP Switch	-	-	-
Power Input	External DC Adapter 5 V / 0.6 A	External DC Adapter 5 V / 1 A	External DC Adapter 5 V / 0.6 A
Max Power Consumption	2.1 W	2.7 W	2 W
Power Saving	√	√	√
Auto Negotiation / Auto MDI/MDIX	√	√	√
Installation	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
Dimensions (mm)	88×52.5×24	138×61.5×24	86.5×53×23

Gigabit Unmanaged Switches



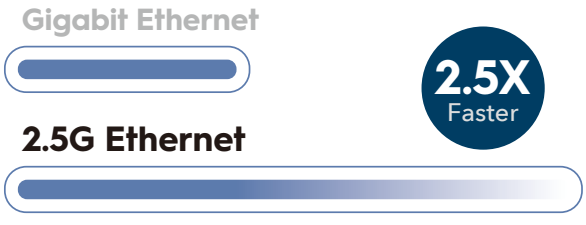
Name	8-Port Gigabit Unmanaged Switch	16-Port Gigabit Unmanaged Switch	24-Port Gigabit Unmanaged Switch
Models	GS108	GS1016	GS1024
10/100/1000 Ports	8	16	24
Switching Capacity	16 Gbps	32 Gbps	48 Gbps
MAC Address Table	8K	8K	8K
Forwarding Rate	11.9 Mpps	23.8 Mpps	35.7 Mpps
DIP Switch	-	VLAN/Default/Extend Mode	VLAN/Default/Extend Mode
Power Input	External DC Adapter 5V/1A	Internal AC 100–240 V	Internal AC 100–240 V
Max Power Consumption	3.8 W	10.1 W	16.5 W
Power Saving	√	-	-
Auto Negotiation / Auto MDI/MDIX	√	√	√
Installation	Desktop, Wallmount	Desktop, Rack-mount	Desktop, Rack-mount
Dimensions (mm)	138×78×25	200×118×44	280×180×44

2.5G Multi-Gig Unmanaged Switch

5-Port 2.5G Desktop Switch

HS105

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



Easy Upgrade without Changing Cable

Cat 5e Cat 6 Cat 6A

8-Port Gigabit L2 Managed Switch with 2 SFP Slots

GS2008S2

- 8× GbE Ports
- 2× 1.25G Uplink SFP Slots
- 1× RJ45 Console Port
- 20 Gbps Backplane Bandwidth
- L2 Management Functions
- 268×181×44 mm
- 1U Rackmount

24-Port L2 Managed Gigabit Switch with 4 SFP Slots

GS2024S2

- 24× GbE Ports
- 4× 1.25G Uplink SFP Slots
- 1× RJ45 Console Port
- 56 Gbps Backplane Bandwidth
- L2 Management Functions
- 440×204×44 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

- 24× GbE Ports
- 4× 10G Uplink SFP Ports
- 1× RJ45 and 1× USB Console Port
- 128 Gbps Backplane Bandwidth
- L2+L3 Management Functions
- 440×205×44 mm
- 1U Rackmount

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

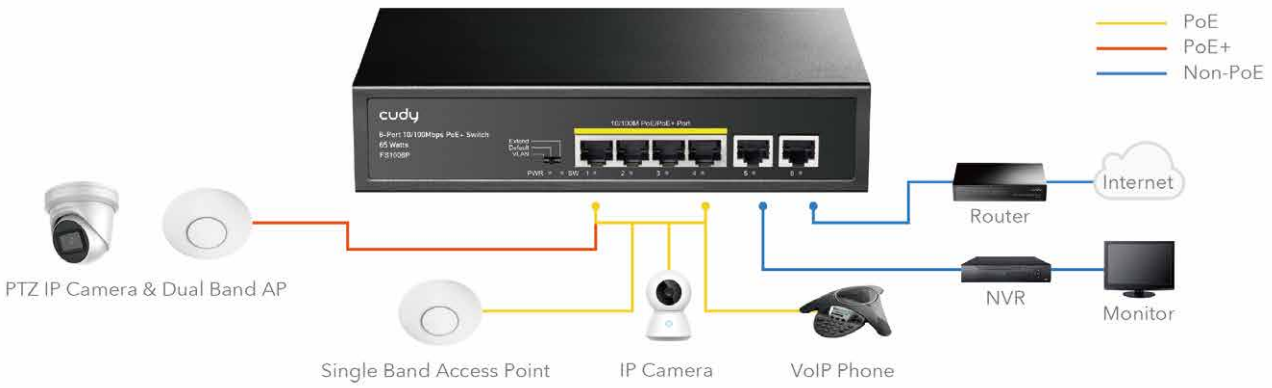
GS5048S4

- 48× GbE Ports
- 4× 10G Uplink SFP Ports
- 1× RJ45 and 1× USB Console Port
- 176 Gbps Backplane Bandwidth
- L2+L3 Management Functions
- 440×280×44 mm
- 1U Rackmount

L3 Management Functions

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

PoE Switches



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.

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.

10/100M Unmanaged PoE Switches

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 on Single Port (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
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	

Gigabit Unmanaged PoE Switches



Models	GS1005P	GS1005PTS1	GS1008PS2
PoE Ports	4GbE	4GbE	8GbE
Uplink Ports	1GbE	1GbE+1SFP	2SFP
Power Supply (W)	65	120	120
Max Output on Single Port (W)	30	30	30
PoE Standards	802.3at/af	802.3at/af	802.3at/af
MAC Address Table	2K	2K	2K
Forwarding Rate	1.48 Mpps	8.928 Mpps	14.88 Mpps
DIP Switch	-	VLAN/Default/Extend	Default/Extend
Extend Mode Port	-	Port 3-4	Port 7-8
Power Input	External AC	Internal AC 100–240 V	
Max Heat Output (BTU/h)	221.65	409.2	409.2
Dimension (mm)	119×85×28	200×118×44	220×161×44
Installation	Wall-mount, Desktop	Wall-mount, Desktop	Wall-mount, Desktop

Gigabit Unmanaged PoE Switches



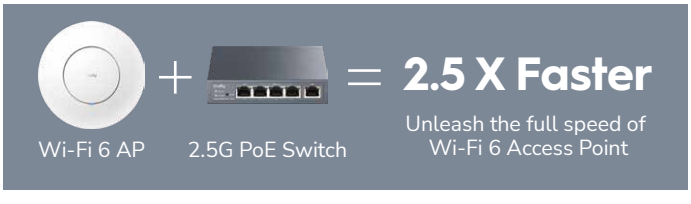

Models	GS1010PE	GS1010P	GS1020PS2	GS1028PS2
PoE Ports	8GbE	8GbE	16GbE	24GbE
Uplink Ports	2GbE	2GbE	2SFP	2SFP
Power Supply (W)	120	120	200	300
Max Output on Single Port (W)	30	30	30	30
PoE Standards	802.3at/af	802.3at/af	802.3at/af	802.3at/af
MAC Address Table	2K	2K	8K	8K
Forwarding Rate	14.88 Mpps	14.88 Mpps	26.78 Mpps	38.68 Mpps
DIP Switch	VLAN/Default/Extend	VLAN/Default/Extend	VLAN/Default/Extend	VLAN/Default/Extend
Extend Mode Port	Port 7-8	Port 7-8	Port 9-16	Port 17-24
Power Input	Internal AC 100–240 V	Internal AC 100–240 V	Internal AC 100–240 V	Internal AC 100–240 V
Max Heat Output (BTU/h)	409.2	409.2	682	1023
Dimension (mm)	220×163×40	220×150×44	440×204×44	440×204×44
Installation	Desktop, Wall-mount		Desktop, Rack-mount	

2.5G Multi-Gig Unmanaged Switch

5-Port 2.5G PoE+ Switch

HS105P

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



L2 Managed PoE Switches

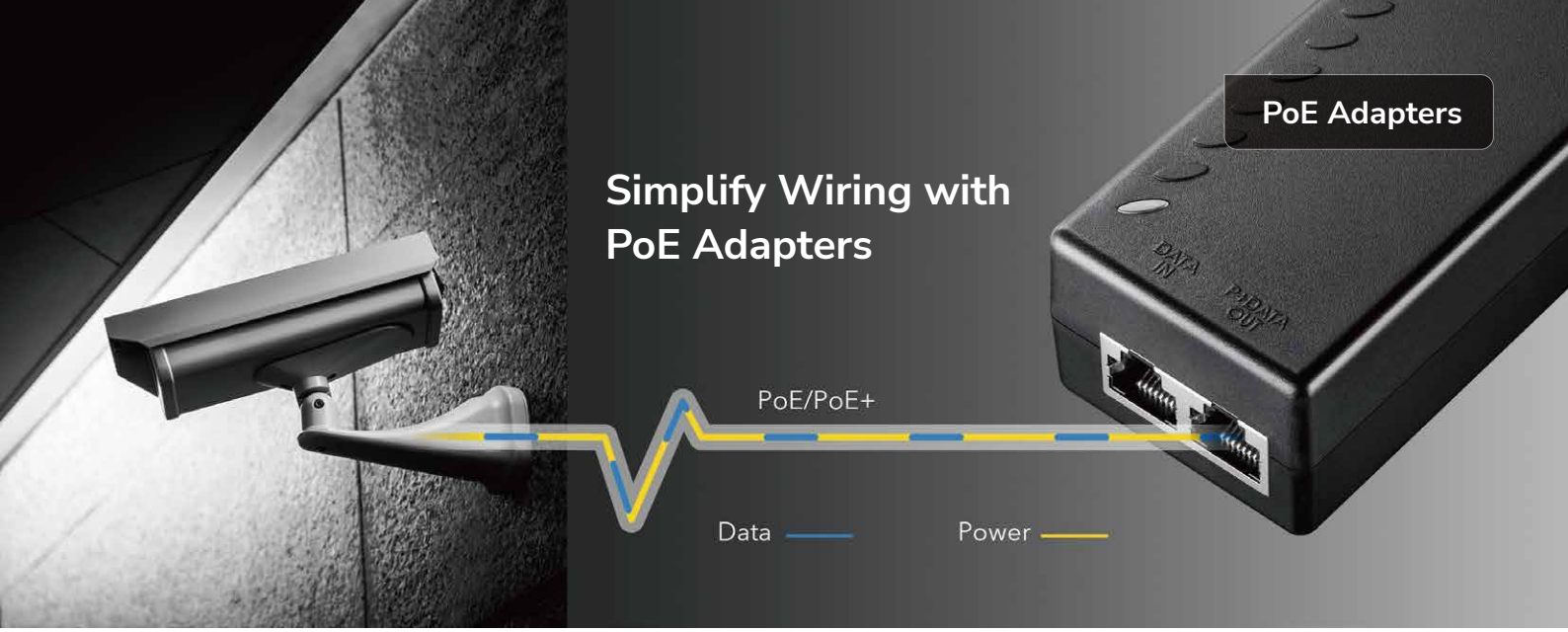
Models		GS2008PS2	GS2018PS2	GS2028PS4	GS2048PS4
Hardware	PoE+ Ports	8× GbE	16× GbE	24× GbE	44× GbE
	PoE++ Ports	-	-	-	4× GbE
	Uplink Ports	2× SFP	2× GbE+2× SFP	4× Combo	4× 10G SFP
	Console Ports	1× RJ45	1× RJ45	1× RJ45	1× RJ45
	Power Supply (W)	130	200	300 / 400	720
	Max Output on Single Port (W)	30	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			
	DDM	√			
Management	SNMP	V1/V2/V3			
	CLI	Telnet/SSH			Telnet
	RMON	Statics/History/Event/Alarm			√
Pysical	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

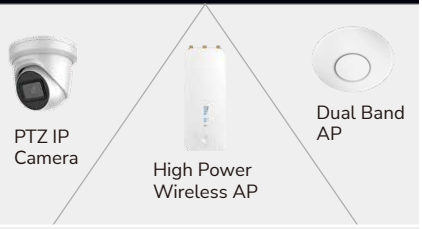


Power the Devices with Correct PoE Adapters

PoE / 802.3af

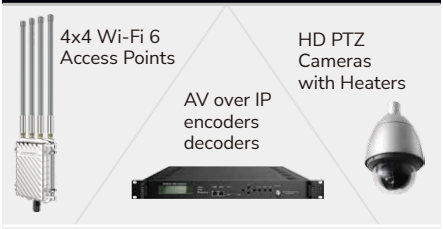
Distance	Theoretical Max Power
1 m	15 W
100 m	12.95 W

PoE+ / 802.3at



Distance	Theoretical Max Power
1 m	30 W 2-pair 60 W 4-pair
100 m	25.5 W 2-pair 51 W 4-pair

PoE++ / 802.3bt



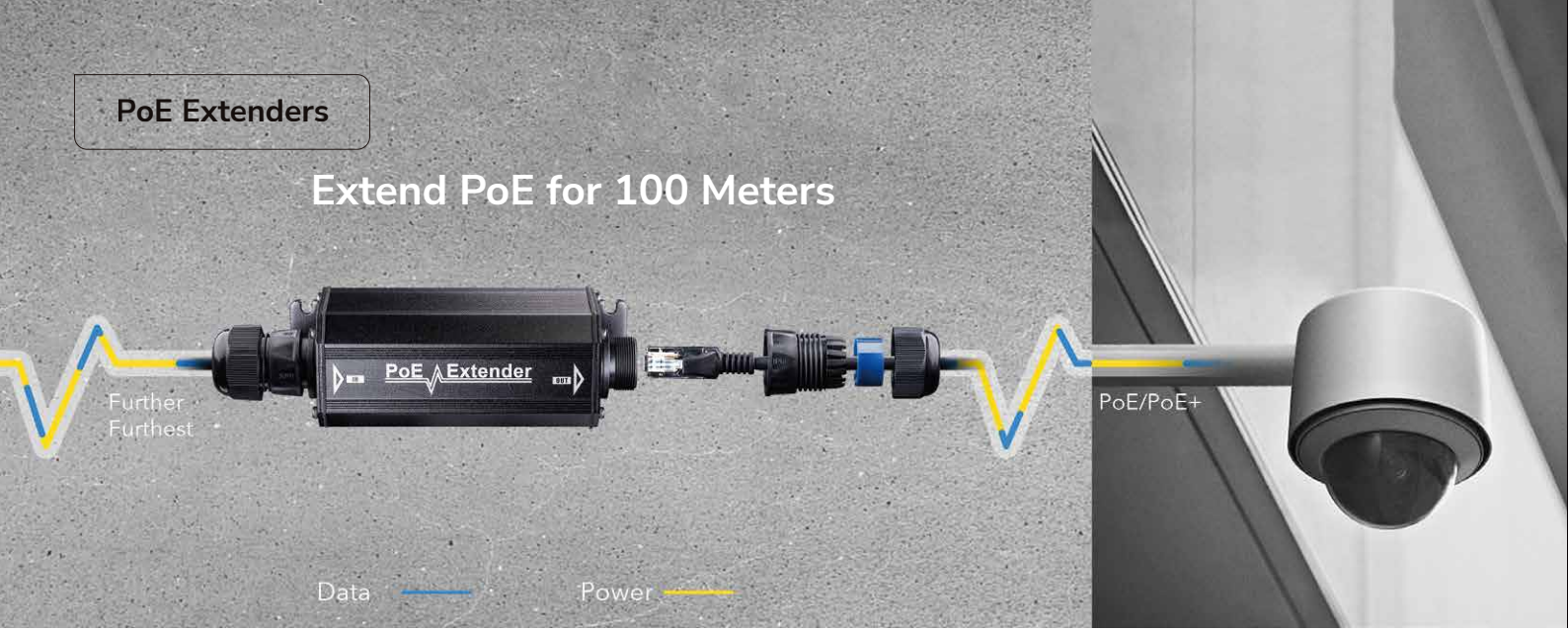
Distance	Theoretical Max Power
1 m	60 W 2-pair 90 W 4-pair
100 m	51 W 2-pair 71 W 4-pair

*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.

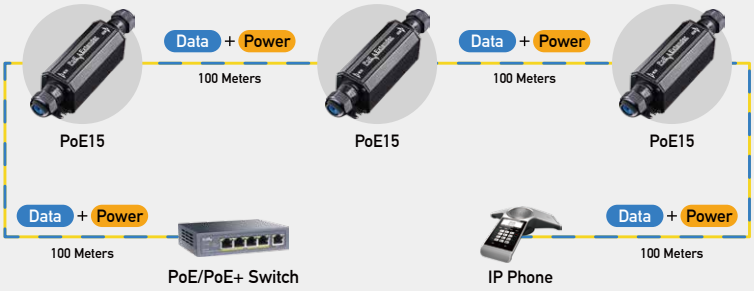
Models	POE200	POE220	POE300	POE350	POE400
PoE Power	30 W	2× 30 W	60 W	90 W	90 W
PoE Standards	802.3at/af	802.3at/af	802.3bt/at/af	802.3bt/at/af	802.3bt/at/af
Ethernet Ports	GbE In GbE Out	2× GbE In 2× GbE Out	GbE In GbE Out	GbE In GbE Out	GbE In GbE Out
Pins	1/2-, 3/6+	1/2-, 3/6+	1/2-, 3/6+; 4/5+,7/8-	1/2-, 3/6+; 4/5+,7/8-	1/2-, 3/6+; 4/5+,7/8-
Housing	Plastic	Metal	Metal	Metal	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.

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




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 Mouting	√			

Media Convertor

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 × D × H)	Power
MC100MA-2	155 Mbps SC	10/100 Mbps RJ45	2 KM	Multi-Mode	Dual Fibers	1310 nm	26 × 70 × 94 mm	5 V /1 A
MC100SA-20			20 KM	Single-Mode		1310 nm		
MC100SB-20A					Single Fiber	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		1310 nm		
MC100GSA-40			40 KM					
MC100GSA-60			60 KM			1550 nm		
MC100GSA-80			80 KM					
MC100GSA-100			100 KM					
MC100GSB-20A			20 KM		Single Fiber	TX: 1310 nm RX: 1550 nm		
MC100GSB-40A			40 KM					
MC100GSB-60A			60 KM					
MC100GSB-20B			20 KM			TX: 1550 nm RX: 1310 nm		
MC100GSB-40B			40 KM					
MC100GSB-60B			60 KM					
MC220	SFP	10G RJ45	Depending on the installed SFP Modules					
MC10G								
MC220P		10/100/1000 Mbps RJ45 PoE+ (802.3at/af)						DC 47–57V
MC100GSA-20P	1.25 Gbps SC		20 KM	Single-Mode	Dual Fibers	1310 nm		

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

10 Gbps | 25 Gbps | 40 Gbps | 155 Mbps | 1.25 Gbps | 2.5 Gbps | Single mode | Multi mode | Dual SC | Bidi WDM

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.