cudy

Networking and Computing
Product Guide

www.cudy.com

BE21000
10G Mesh Wi-Fi 7 Router

Wi-Fi 7

Model : WR21000

10G 10 Gbps SFP+

2.5G 2.5 Gbps Ethernet

WHOLE HOME MESH

cudy

Shenzhen Cudy Technology Co., Ltd. is a tech-driven company in the networking & telecommunication industry, providing reliable networking and computing 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, outdoor/industrial networking equipment, and PC accessories.

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** 2022-2028

Passed **ISO 9001, ISO 14001, Sedex**, and **BSCI** audit

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

ISO 9001 MANAGEMENT CERTIFICATION

ISO 14001 MANAGEMENT CERTIFICATION

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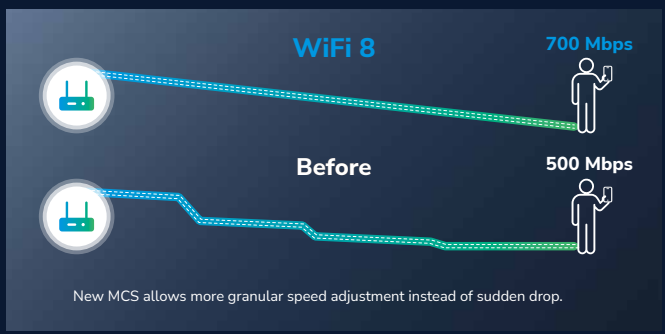
Ultra-High Reliability

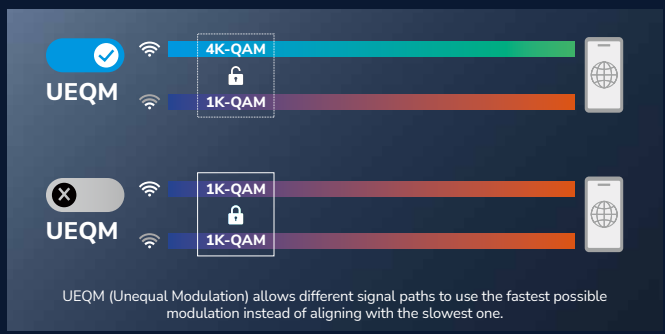
More consistent speeds. Fewer interruptions. Smoother Wi-Fi throughout your home.

Up to 2x Faster Speed in Distant Rooms[1]

Enjoy more consistent speeds in distant rooms, keeping your streams smooth and your video calls clear.



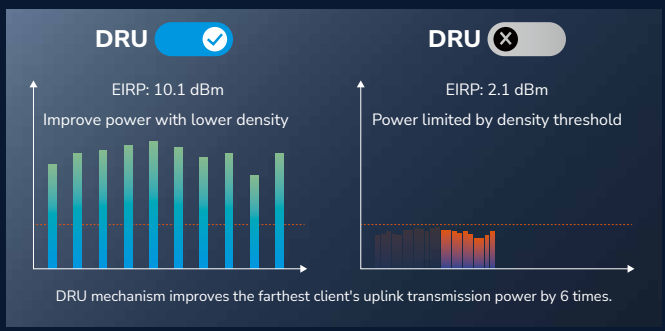
New MCS allows more granular speed adjustment instead of sudden drop.



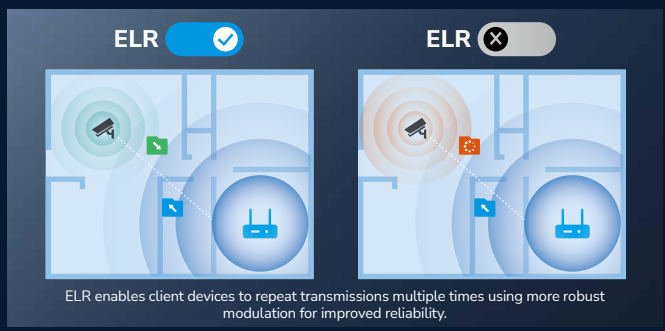
UEQM (Unequal Modulation) allows different signal paths to use the fastest possible modulation instead of aligning with the slowest one.

Up to 6× Stronger Uplink Transmission[2]

Gives your phone more power to send data back to the Wi-Fi router, delivering substantial coverage improvement.



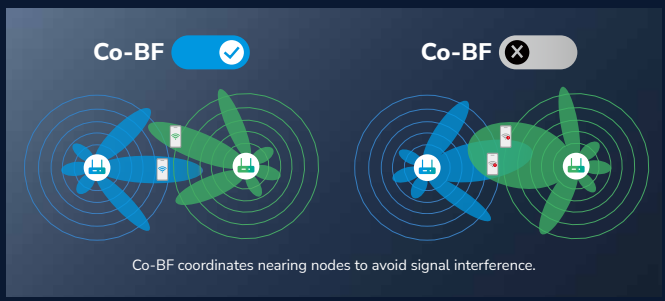
DRU mechanism improves the farthest client's uplink transmission power by 6 times.



ELR enables client devices to repeat transmissions multiple times using more robust modulation for improved reliability.

Less Signal Overlap Across Your Home

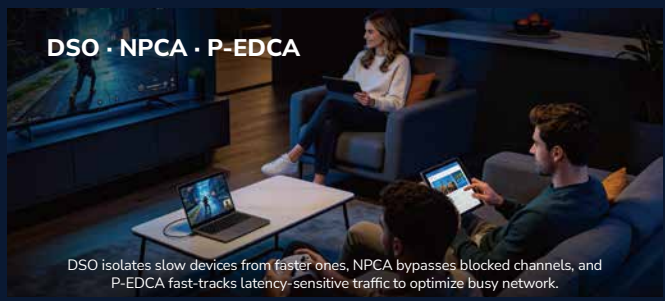
Advanced coordination technologies guide signals to cover where they are needed and avoid interference.



Co-BF coordinates nearing nodes to avoid signal interference.

Smoother Wi-Fi When Everyone's Online

Latency-sensitive applications such as games and live video are better able to stay smooth — even in a busy network.



DSO isolates slow devices from faster ones, NPCA bypasses blocked channels, and P-EDCA fast-tracks latency-sensitive traffic to optimize busy network.

1. "2x faster" refers to a 2× increase in speed in mid-range, achieved with the new MCS and UEQM technologies, compared with legacy Wi-Fi under the referenced test conditions.
2. "6x imporvement" refers to EIRP improves from 2.1 dBm (1.62 mW) to 10.1 dBm (10.23 mW) in the referenced 26-tone DRU scenario compared with 26-tone RRU.

WR19000

BN19000 10G Tri-Band Mesh Wi-Fi 8 Router

- Quad-Core CPU
- 11.5 Gbps + 5.7 Gbps + 1.3 Gbps
- 2× 10GbE, 4× 2.5GbE
- 1× USB 3.0

WR7200

BN7200 10G Dual-Band Mesh Wi-Fi 8 Router

- Quad-Core CPU
- 5.7 Gbps + 1.3 Gbps
- 1× 10GbE, 1× 2.5GbE, 3× GE
- 1× USB 3.0

WR21000

BE21000 10G Tri-Band Mesh Wi-Fi 7 Router

- 1.5 GHz Quad-Core CPU
- 11.5 Gbps + 8.6 Gbps + 688 Mbps
- 1× 10G SFP+, 4× 2.5GbE
- USB-A 3.0 Port

WR11000

BE11000 2.5G Tri-Band Mesh Wi-Fi 7 Router

- 1.5 GHz Quad-Core CPU
- 5.7 Gbps + 4.3 Gbps + 688 Mbps
- 4× 2.5 Gbps Ethernet Ports

WR6500H

BE6500 2.5G Mesh Wi-Fi 7 Router

- 2 GHz Quad-Core CPU
- 5.7 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 2.5GbE, 4× GbE

WR5000

BE5000 2.5G Mesh Wi-Fi 7 Router

- 2 GHz Quad-Core CPU
- 4.3 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 2.5GbE, 4× GbE

WR3600H

BE3600 2.5G Mesh Wi-Fi 7 Router

- 1.2 GHz Dual-Core CPU
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 2× 2.5GbE, 3× GbE* v2.0

WR3600S

BE3600 2.5G Mesh Wi-Fi 7 Router

- 2 GHz Dual-Core CPU
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 2.5GbE, 4× GbE
- 1× USB 3.0 for File Sharing and Tethering

Common Software Features

Cudy App
Easy Management

Cudy Mesh
Seamless Whole-Home Coverage

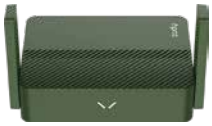
For ISP
EasyMesh Firmware Optional*
TR069/TR098/TR111/TR181
ISP Preset

Utilities
VPN Server and Clients
DNS over TLS

Parental Controls
URL Blacklist / Time Schedule
Client Management / Profiles

* Applies on specific models, contact support@cudy.com for details
* EasyMesh is optional for service provider orders.

Wi-Fi Routers



TR3600
BE3600 2.5G Wi-Fi 7 Mini VPN Router

- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 2× 2.5 Gbps Ethernet Ports
- 1× USB 3.0 for File Sharing and Tethering
- Smart Cooling Fan

WR3600
BE3600 Gigabit Mesh Wi-Fi 7 Router

- 1.2 GHz Dual-Core CPU
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 4× Gigabit Ethernet Ports

WR3600E
BE3600 Gigabit Mesh Wi-Fi 7 Router

- 1.2 GHz Dual-Core CPU
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 4× Gigabit Ethernet Ports

WR3000P
AX3000 2.5G Mesh Wi-Fi 6 Router (PoE)

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× 2.5GbE (PoE-In), 4× GbE
- 1× USB 2.0 Port for File Sharing

TR3000
AX3000 2.5G Wi-Fi 6 Mini VPN Router

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× 2.5GbE, 1× GbE
- 1× USB 3.0 for File Sharing and Tethering
- Weighs 160 grams, Mini Size

WR3000S
AX3000 Gigabit Mesh Wi-Fi 6 Router

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 5× Gigabit Ethernet Ports

WR3000E
AX3000 Gigabit Mesh Wi-Fi 6 Router

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 5× Gigabit Ethernet Ports

WR3000
AX3000 Gigabit Mesh Wi-Fi 6 Router

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 4× Gigabit Ethernet Ports

WR1500
AX1500 Gigabit Mesh Wi-Fi 6 Router

- 1201 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 4× Gigabit Ethernet Ports

Common Software Features

Cudy App
Easy Management

Utilities**
VPN Server and Clients
DNS over TLS

** Available on most models

Cudy Mesh
Seamless Whole-Home Coverage

Parental Controls
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Client Management / Profiles

For ISP
EasyMesh Firmware Optional*
TR069/TR098/TR111/TR181
ISP Preset

* Applies on specific models,
contact support@cudy.com for details
* EasyMesh is optional for service provider orders.

WR1300

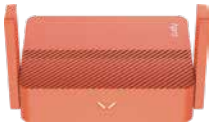
AC1200 Gigabit Mesh Wi-Fi Router

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 5× Gigabit Ethernet Ports

WR1300T

AC1200 Gigabit Mesh Wi-Fi Router

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 5× Gigabit Ethernet Ports



TR1200

AC1200 Wi-Fi Mini VPN Router

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 2× 10/100 Mbps Ethernet Ports
- 1× USB 2.0 for File Sharing and Tethering
- Weighs 99 grams, Mini Size

WR1200

AC1200 Wi-Fi Router

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 5× 10/100 Mbps Ethernet Ports

WR1200E

AC1200 Wi-Fi Router

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 4× 10/100 Mbps Ethernet Ports
- USB-C Power Input *

* new version

WR300S

300 Mbps Multi-Mode Wi-Fi Router

- 300 Mbps (2.4 GHz)
- 5× 10/100 Mbps Ethernet Ports

WR300

300 Mbps Multi-Mode Wi-Fi Router

- 300 Mbps (2.4 GHz)
- 4× 10/100 Mbps Ethernet Ports
- DC Powered (v1), USB-C Powered (v2)

Common Software Features

Cudy App

Easy Management

Utilities**

VPN Server and Clients
DNS over TLS

** Available on most models

Cudy Mesh

Seamless Whole-Home Coverage

Parental Controls

URL Blacklist / Time Schedule
Client Management / Profiles

For ISP

EasyMesh Firmware Optional*
TR069/TR098/TR111/TR181
ISP Preset

* Applies on specific models,
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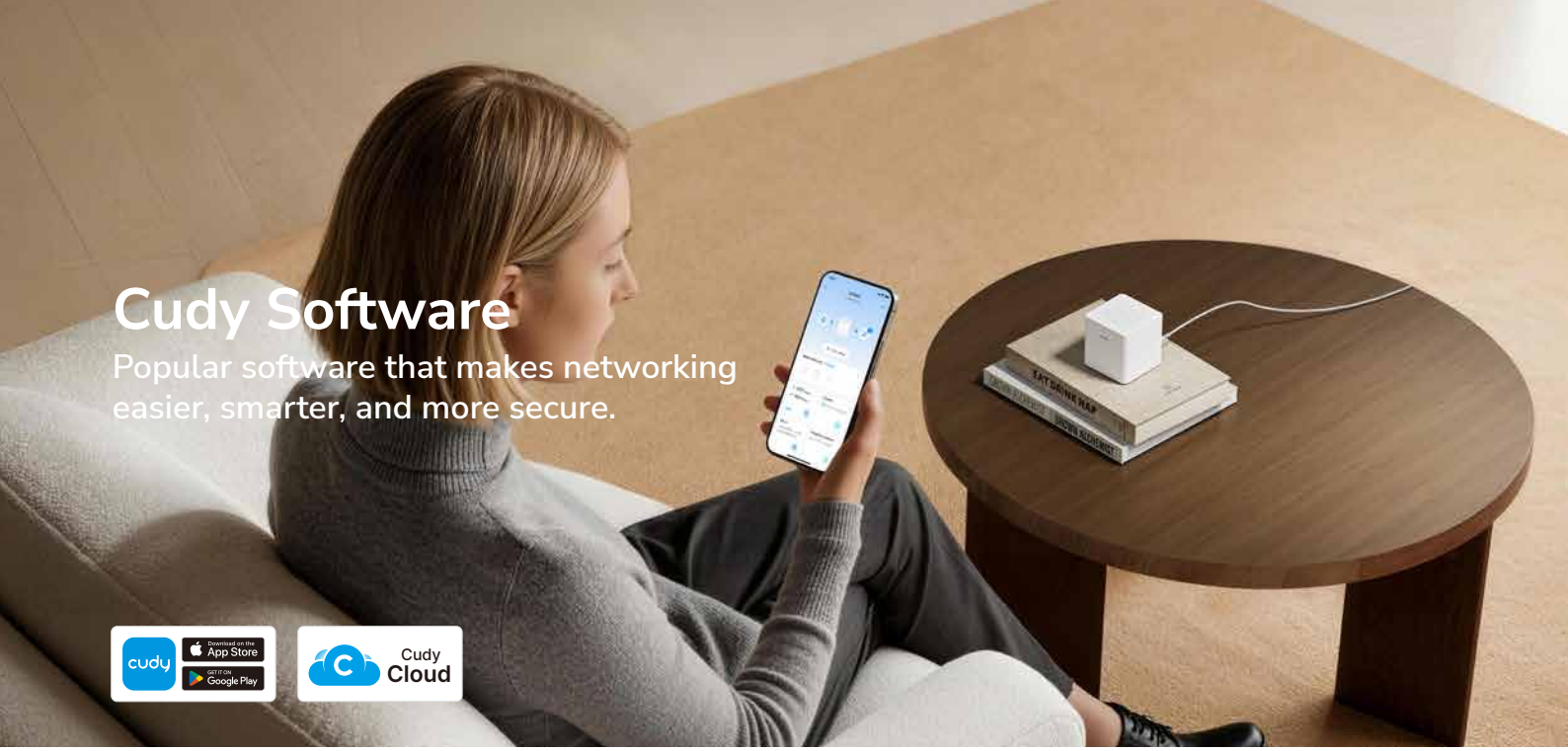
* EasyMesh is optional for service provider orders.



Cudy Software

Popular software that makes networking easier, smarter, and more secure.

Highlight New Features

One-Click VPN

Need to connect back to your home network? One-click VPN gets you connected instantly, requiring only a public IPv4 address. (1)

VPN Backup/Restore

Easily back up your VPN configuration and import it on another device via Cudy App. (2)

Whole-Home AdBlock

Block all the annoying ads on all devices, and enjoy the freshness when browsing and streaming content. (3)

Everything You Need

For Family

Create personalized online experiences with flexible controls, screen-time management, and shared storage for a safer, smarter home network.

- Parental Controls
- Profile Management
- AdBlock
- Bed Time/Online Time
- Blacklist/Whitelist
- QoS Speed Limitation
- USB File Sharing

For Network Customization

Tailor every connection with advanced routing, VPN, failover, and ISP settings to match your unique networking needs.

- VPN Server
- VPN Client
- One-Click VPN
- IPv4/IPv6 Config
- IPTV/VLAN
- Auto Failover
- USB 4G/5G Tethering

(1)Confirm on the Config page > Advanced Settings > DDNS, if there is no warning message then you have a public iPv4 address.
(2)Backup/restore is only available locally. (3)AdBlock's availability varies on countries/regions.

BE21000

10G Mesh Wi-Fi 7 System

Model : M21000

Wi-Fi 7

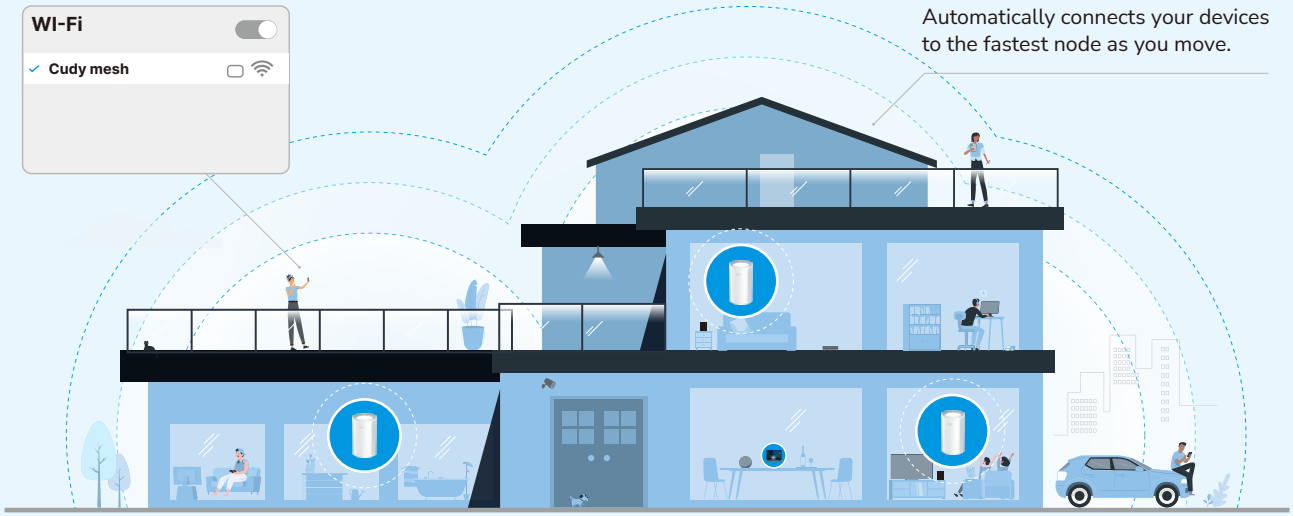
Cudy Mesh

Seamless Whole-Home Wi-Fi Made Simple

One Wi-Fi Name

0.02s Roaming Time

Automatically connects your devices to the fastest node as you move.



Flexible Deployment

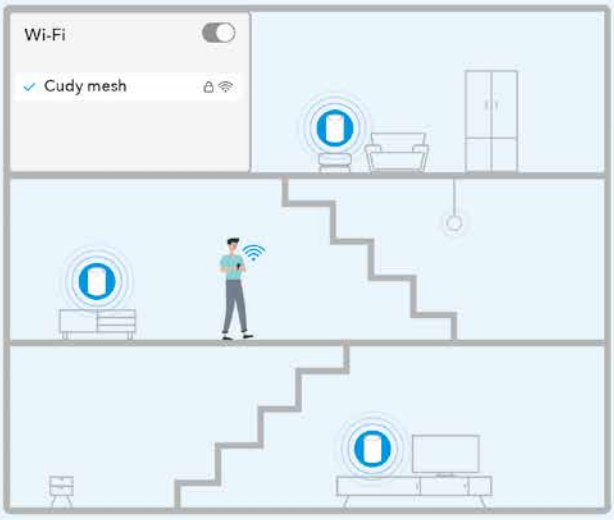
Provides multi-band and wired backhaul for improved stability and performance.

All Cudy Mesh Work Together

Add any Cudy Mesh product to extend coverage effortlessly.

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.



M21000 3-Pack / 2-Pack / 1-Pack

BE21000 10G Mesh Wi-Fi 7 System

- 1.5 GHz Quad-Core CPU
- Tri-Band Wi-Fi 7
- 11.5 Gbps + 8.6 Gbps + 688 Mbps
- High-Power External FEMs
- 1× 10G SFP+, 4× 2.5GbE
- 1× USB-A 3.0

M11000 3-Pack / 2-Pack / 1-Pack

BE11000 2.5G Mesh Wi-Fi 7 System

- 1.5 GHz Quad-Core CPU
- Tri-Band Wi-Fi 7
- 5.7 Gbps + 4.3 Gbps + 688 Mbps
- High-Power External FEMs
- 4× 2.5 Gbps Ethernet Ports

M6500 3-Pack / 2-Pack / 1-Pack

BE6500 2.5G Mesh Wi-Fi 7 System

- 2 GHz Quad-Core CPU
- Dual-Band Wi-Fi 7
- 5.7 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- External FEMs
- 1× 2.5GbE + 3× GbE

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

BE5000 2.5G Mesh Wi-Fi 7 System

- 2 GHz Quad-Core CPU
- Dual-Band Wi-Fi 7
- 4.3 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- Extra Coverage with 3T3R Structure
- 2× 2.5 Gbps Ethernet Ports

M3600H 3-Pack / 2-Pack / 1-Pack

BE3600 2.5G Mesh Wi-Fi 7 System

- Dual-Band Wi-Fi 7
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- External FEMs
- 2× 2.5GbE, 1× GbE

M3600 3-Pack / 2-Pack / 1-Pack

BE3600 Gigabit Mesh Wi-Fi 7 System

- Dual-Band Wi-Fi 7
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- External FEMs
- 3× Gigabit Ethernet Ports

Common Software Features

Cudy App
Easy Management

Cudy Mesh
Seamless Whole-Home Coverage

For ISP
EasyMesh Firmware Optional*
TR069/TR098/TR111/TR181
ISP Preset

* EasyMesh is optional for service provider orders.

Utilities
VPN Server and Clients
DNS over TLS

Parental Controls
URL Blacklist / Time Schedule
Client Management / Profiles

Do you know?

Cudy Mesh products come pre-paired out of the box. Simply set up one unit, and the rest will sync and connect automatically.

Full Speed. Full Home.

AX3000 Gigabit Mesh Wi-Fi 6 System

Model : M3000S

M3000 (3-Pack / 2-Pack / 1-Pack)

AX3000 2.5G Mesh Wi-Fi 6 System

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 5× Internal Antennas
- 1× 2.5GbE + 1× GbE

M3000S (3-Pack / 2-Pack / 1-Pack)

AX3000 Gigabit Mesh Wi-Fi 6 System

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 4× Internal Antennas
- 2× Gigabit Ethernet Ports

M1500 (3-Pack / 2-Pack / 1-Pack)

AX1500 Gigabit Mesh Wi-Fi 6 System

- 1201 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 3× Gigabit Ethernet Ports

M1300 (3-Pack / 2-Pack / 1-Pack)

AC1200 Gigabit Mesh Wi-Fi System

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 2× Gigabit Ethernet Ports

M1300S (3-Pack / 2-Pack / 1-Pack)

AC1200 Gigabit Mesh Wi-Fi System

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 2× Gigabit Ethernet Ports

M1200 (3-Pack / 2-Pack / 1-Pack)

AC1200 Mesh Wi-Fi System

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 2× 10/100 Mbps Ethernet Ports

Common Software Features

Cudy App
Easy Management

Cudy Mesh
Seamless Whole-Home Coverage

For ISP
EasyMesh Firmware Optional
TR069/TR098/TR111/TR181
ISP Preset

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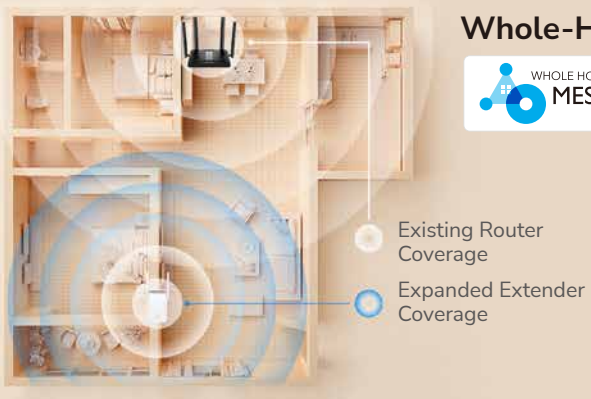
BE3600 Mesh Wi-Fi 7 Extender

Model : RE3600

Wi-Fi 7



Whole-Home Mesh

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.

Range Extenders

RE3600

BE3600 Mesh Wi-Fi 7 Extender

- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× Gigabit Ethernet Port
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App

RE3000

AX3000 Mesh Wi-Fi 6 Extender

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× Gigabit Ethernet Port
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App

RE1500

AX1500 Mesh Wi-Fi 6 Extender

- 1201 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× 10/100 Mbps Ethernet Port
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App

RE1200

AC1200 Mesh Wi-Fi Extender

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× 10/100 Mbps Ethernet Port
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App

RE1200 Outdoor

AC1200 Outdoor Mesh Wi-Fi Extender

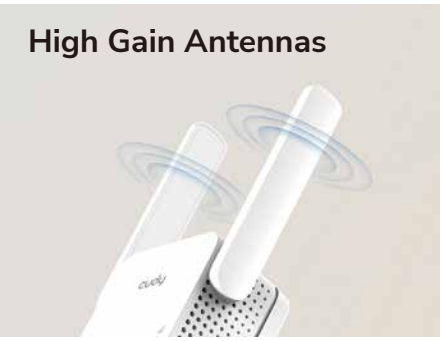
- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× 10/100 Mbps Ethernet Port
- 3-IN-1 RE/AP/Mesh Satellite
- Passive PoE (24 V)
- Cudy App
- IP65 Water/Dustproof
- 4 KV Lightning-Protection
- -40~65 °C Ext. Ambient Temperature

RE300

300 Mbps Mesh Wi-Fi Extender

- 300 Mbps (2.4 GHz)
- 1× 10/100 Mbps Ethernet Port
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App

Highlight Features



5G SA/NSA BE3600 Wi-Fi 7 Router

Model : P6

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 differences 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+	5G NR	
Cat./Rel.		Cat. 4	Cat. 6	Rel. 15	Rel. 16
Modulation		Max 64-QAM		Max 256-QAM	
Key Technologies		2×2 DL MIMO	DL CA	DL/UL CA DL/UL MIMO Wider Bandwidth	DL/UL CA DL/UL MIMO Wider Bandwidth eURLLC, mMTC
Max DL Speed		**150 Mbps**	**300 Mbps**	**2.6 Gbps**	**3.4 Gbps - 4.7 Gbps**
Product Lines	Indoor	LT300, LT400, LT500, MF5	LT700	P2	P4, P5, P6
	Outdoor	LT400 Outdoor, LT500 Outdoor	LT700 Outdoor	P2 ODU	P6 ODU
	Industrial	IR02, IR04		IR5G	

The Industrial Routers are listed on P37.

P6

5G SA/NSA BE3600 Wi-Fi 7 Router

- 5G Rel. 16, Max 4.7 Gbps Cellular DL
- 4×4 MIMO, DL/UL Carrier Aggregation
- BE3600 Wi-Fi 7, 2.8 Gbps + 688 Mbps
- 4× 2.5GbE+ 1× Nano SIM Slot
- Internal Antennas + 2× TS-9 (Cellular)
- 1× VoNR/VoLTE RJ11 (Optional)

P5

5G SA/NSA AX3000 Wi-Fi 6 Router

- 5G Rel. 16, Max 3.4 Gbps Cellular DL
- 4×4 MIMO, DL/UL Carrier Aggregation
- AX3000 Wi-Fi 6, 2.4 Gbps + 574 Mbps
- 4× GbE + 2× Nano SIM Slots
- 4× SMA (Cellular)

P4

5G SA/NSA AX3000 Wi-Fi 6 Router

- 5G Rel. 16, Max 3.4 Gbps Cellular DL
- 4×4 MIMO, DL/UL Carrier Aggregation
- AX3000 Wi-Fi 6, 2.4 Gbps + 574 Mbps
- 3× GbE + 1× Nano SIM Slot
- Internal Antennas + 2× SMA (Cellular)

P2

5G SA/NSA AX3000 Wi-Fi 6 Router

- 5G Rel. 15, Max 2.6 Gbps Cellular DL
- 4×4 MIMO, DL/UL Carrier Aggregation
- AX3000 Wi-Fi 6, 2.4 Gbps + 574 Mbps
- 2× GbE + 1× Nano SIM Slot
- Internal Antennas + 2× SMA (Cellular)
- 1× VoNR/VoLTE RJ11 (Optional)

LT700

4G Cat 6 AC1200 Wi-Fi Router

- 4G Cat. 6, Max 300 Mbps Cellular DL
- DL 2-Carrier Aggregation
- AC1200 Wi-Fi, 867 Mbps + 300 Mbps
- 4× GbE + 2× Nano SIM Slots
- 4× Detachable Cellular Antennas (SMA)

LT500

4G Cat 4 AC1200 Wi-Fi Router

- 4G Cat. 4, Max 150 Mbps Cellular DL
- AC1200 Wi-Fi, 867 Mbps + 300 Mbps
- 4× FE + 1× Nano SIM Slot
- Fixed Antennas

LT500D

4G Cat 4 AC1200 Wi-Fi Router with Detachable Antennas

- 4G Cat. 4, Max 150 Mbps Cellular DL
- AC1200 Wi-Fi, 867 Mbps + 300 Mbps
- 4× FE + 1× Nano SIM Slot
- 2× SMA Connectors (Cellular)

LT400

4G Cat 4 N300 Wi-Fi Router

- 4G Cat. 4, Max 150 Mbps Cellular DL
- 300 Mbps Wi-Fi
- 4× FE + 1× Nano SIM Slot

LT300

4G Cat 4 N300 Wi-Fi Router

- 4G Cat. 4, Max 150 Mbps Cellular DL
- 300 Mbps Wi-Fi
- 2× FE + 1× Nano SIM Slot
- Fixed Antennas
- USB-C Power Input

Mobile WiFi

MF5

4G Mobile Wi-Fi

- 4G Cat. 4 Max 150 Mbps Cellular DL
- 11h Battery Life, 2920mAh Detachable Battery
- Wi-Fi 6, WPA3 Security, 10-Device Capacity
- USB-C Charging with Tethering Support
- 2× Cellular Antennas, 1× Wi-Fi Antenna

Outdoor

P6 ODU

5G Rel. 16 NR Outdoor Unit

- 5G Rel. 16 Max 4.7 Gbps Cellular DL
- NR2CA, LTE4CA, ENDC, 4×4 MIMO
- 1 × 2.5GbE (PoE-In) + 1 × Nano SIM Slot
- IP67, -40~50 °C, 6kV Surge Protection
- eSIM Optional

P2 ODU

5G NR Outdoor Unit

- 5G Rel. 15, Max 2.6 Gbps Cellular DL
- 4×4 MIMO, DL/UL Carrier Aggregation
- 1× 2.5GbE (PoE-In) + 2× Nano SIM Slots
- IP67, -40~70 °C, 6kV Surge Protection
- eSIM Optional

LT700 Outdoor

Indoor/Outdoor 4G Cat 6 AC1200 Wi-Fi Router

- 4G Cat. 6, Max 300 Mbps Cellular DL
- 4×4 MIMO (Optional), DL 2CA
- AC1200 Wi-Fi, 867 Mbps + 300 Mbps
- 1× GbE (PoE-In) + 1× Nano SIM Slot
- Internal Antennas + 2× SMA (Cellular)
- IP65, -40~70 °C, 6kV Surge Protection
- Hardware Watchdog

LT500 Outdoor

Indoor/Outdoor 4G Cat 4 AC1200 Wi-Fi Router

- 4G Cat. 4, Max 150 Mbps Cellular DL
- AC1200 Wi-Fi, 867 Mbps + 300 Mbps
- 1× FE (PoE-In) + 1× Nano SIM Slot
- Internal Antennas + 2× SMA (Cellular)
- IP65, -40~65 °C, 4kV Surge Protection

LT400 Outdoor

Indoor/Outdoor 4G Cat 4 N300 Wi-Fi Router

- 4G Cat. 4, Max 150 Mbps Cellular DL
- 300 Mbps Wi-Fi
- 1× FE (PoE-In) + 1× Nano SIM Slot
- Internal Antennas + 2× SMA (Cellular)
- IP65, -40~65 °C, 4kV Surge Protection

The Future of Home Internet

Integration with Existing OSS/BSS Stack

Cudy xPON devices support TR-069 and TR-369 for effortless integration with popular ACS platforms and zero-touch provisioning. Cudy ISP Preset toolkit enables easy customization of product default settings before deployment.

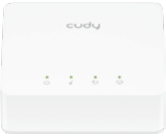
- Remote Firmware Upgrade
- Configuration and Monitoring
- Behind NAT Configuration
- Performance Diagnostics (TR-143)
- Data Model TR-098/TR181
- USP (IoT) TR369
- Multi-Level Accounts
- Firewall Security

xPON ONTs

GP10X

1-Port 10 Gbps XGSPON Terminal

- 1× SC/APC Port (XGS-PON)
- 1× 10GbE



GP10

1-Port Gigabit xPON Terminal

- 1× SC/APC Port (GPON/EPON)
- 1× GbE

xPON Wi-Fi Routers

GP19000

BE19000 Tri-Band Wi-Fi 7 XGS-PON Router

- 11 Gbps + 4.6 Gbps + 688 Mbps
- 1× XGS-PON, 1× 10GbE, 3× 2.5GbE
- 2× USB 3.0, 2× RJ11 (Optional)

GP7200

BE7200 2.5G Wi-Fi 7 xPON Router (with VoIP)

- 5765 Mbps + 1376 Gbps
- 1× GPON/EPON, 1× 2.5GbE, 3× GbE
- 2× USB 3.0, 2× RJ11 (Optional)

GP3600T

BE3600 Gigabit Wi-Fi 7 xPON Router (with VoIP)

- 2882 Mbps + 688 Mbps
- 1× GPON/EPON, 4× GbE
- 1× USB 3.0, 1× RJ11 (Optional)

GP3600S

BE3600 Gigabit Wi-Fi 7 xPON Router (with VoIP)

- 2882 Mbps + 688 Mbps
- 1× GPON/EPON, 2× GbE
- 1× USB 3.0, 1× RJ11 (Optional)

GP3600 (GP3600V)

BE3600 Gigabit Dual-Band Wi-Fi 7 xPON Router (with VoIP)

- 2882 Mbps + 688 Mbps
- 1× GPON/EPON, 4× GbE
- 1× USB 3.0, 1× RJ11 (Optional)

GP3000 (GP3000V)

AX3000 Gigabit Dual-Band Wi-Fi 6 xPON Router (with VoIP)

- 2402 Mbps + 574 Mbps
- 1× GPON/EPON, 4× GbE
- 1× USB 3.0, 1× RJ11 (Optional)

GP3000S

AX3000 Gigabit Dual-Band Wi-Fi 6 xPON Router (with VoIP)

- 2402 Mbps + 574 Mbps
- 1× GPON/EPON, 2× GbE
- 1× USB 3.0, 1× RJ11 (Optional)

GP1200 (GP1200V)

AC1200 Wireless Dual Band Gigabit xPON Router (with VoIP)

- 867 Mbps + 300 Mbps
- 1× GPON/EPON, 4× GbE
- 1× USB-A, 1× RJ11 (Optional)

Optical Network Accessories

OT100

Optical Tester

- Supports GPON & XGS-PON
- High-Accuracy Power Detection
- Insertion Loss <0.5dB
- Return Loss >50dB
- Wide Temperature
- NFC-Triggered, Battery-Powered

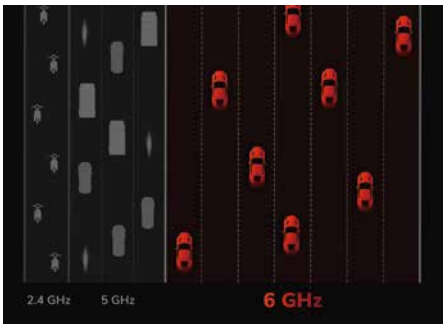
FB10

Outdoor Fiber Box

- IP68, PVC Enclosure
- Fit All Cudy ONU
- Wall-mount/Pole-mount

Unleash The Power of Tri-Band.

Blazing Fast Wi-Fi 7



Greenfield 6 GHz

Foldable High-Gain Antenna

USB Wireless Adapters

WU6500

BE6500 Wi-Fi 7 High-Gain USB Adapter

- Up to 2882 Mbps at 6 GHz
- Up to 2882 Mbps at 5 GHz
- Up to 688 Mbps at 2.4 GHz
- Requires USB 3.0 Port for Full Speed
- Windows 10/11 / Linux
- Pre-Loaded Driver on Windows

WU5400

AX5400 Wi-Fi 6E High-Gain USB Adapter

- Up to 2402 Mbps at 6 GHz
- Up to 2402 Mbps at 5 GHz
- Up to 574 Mbps at 2.4 GHz
- Requires USB 3.0 Port for Full Speed
- Windows 10/11 / Linux
- Pre-Loaded Driver on Windows

WU1400

AC1300 Wi-Fi High-Gain USB Adapter

- 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
- Pre-Loaded Driver on Windows

WU900H

AX900 High Gain Wi-Fi 6 Bluetooth 5.4 USB Adapter

- Up to 600 Mbps at 5 GHz
- Up to 286 Mbps at 2.4 GHz
- Bluetooth 5.4
- OFDMA and MU-MIMO Features
- Windows 7/10/11 / Linux
- Auto Driver Install on Windows

WU1300S

AC1300 Wi-Fi USB 3.0 Adapter

- 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
- Auto DriverInstall on Windows 10/11
- Mini Size, 37.5×17×8.5 mm

WU900

AX900 Wi-Fi 6 USB Adapter

- Up to 600 Mbps at 5 GHz
- Up to 286 Mbps at 2.4 GHz
- OFDMA and MU-MIMO Features
- Windows 7/10/11 / Linux
- Auto Driver Install on Windows
- Mini Size, 37.5×17×8.5 mm

WU900C

AX900 Wi-Fi 6 USB-C Adapter

- Up to 600 Mbps at 5 GHz
- Up to 286 Mbps at 2.4 GHz
- OFDMA and MU-MIMO Features
- Windows 7/10/11 / Linux
- Auto Driver Install on Windows
- Mini Size, 29.7×8.5×16 mm

WU650

AC650 Wi-Fi Nano USB Adapter

- Up to 433 Mbps at 5 GHz
- Up to 200 Mbps at 2.4 GHz
- Windows XP to 11 / Mac OS / Linux
- Auto Driver Install on Windows
- Nano Size, 20×15×8 mm

WU300

AX300 Wi-Fi 6 Nano USB Adapter

- Up to 286 Mbps at 2.4 GHz
- Windows 7/10/11 / Linux
- Built-in Driver on Windows
- Nano Size, 20×15×8 mm

USB Bluetooth Adapters

BU530H

Bluetooth 5.3 High-Gain USB Adapter

- Bluetooth 5.3
- High-Gain Antennas
- Works on Windows 7/8/8.1/10/11

BU530

Bluetooth 5.3 Nano USB Adapter

- Bluetooth 5.3
- Works on Windows 7/8/8.1/10/11
- Nano Size, 20×15×8 mm

BU530C

Bluetooth 5.3 Nano USB-C Adapter

- Bluetooth 5.3
- Requires a USB-C 2.0 or Higher Port
- Works on Windows 7/8/8.1/10/11
- Mini Size, 29.7×8.5×16 mm

Wireless

WE9300

BE9300 Wi-Fi 7 Bluetooth 5.4 PCI-E Adapter

- Intel BE200 Module
- Up to 5765 Mbps on 6 GHz
- Up to 2882 Mbps on 5 GHz
- Up to 688 Mbps on 2.4 GHz
- Bluetooth 5.4
- Windows 11 Intel PC only
- Heatsink

WE3000S

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

- Intel AX210 Module
- Up to 2402 Mbps on 6 GHz
- Up to 2402 Mbps on 5 GHz
- Up to 574 Mbps on 2.4 GHz
- Bluetooth 5.3
- Windows 10/11 (64-bit)
- Heatsink

WE3000

AX3000 Wi-Fi 6 Bluetooth 5.2 PCI-E Adapter

- Intel AX200 Module
- Up to 2402 Mbps on 5 GHz
- Up to 574 Mbps on 2.4 GHz
- Bluetooth 5.2
- Windows 10/11 (64-bit)

WE1300

AC1300 Wi-Fi PCI-E Adapter

- Up to 867 Mbps on 5 GHz
- Up to 400 Mbps on 2.4 GHz
- Windows 10/11 / Linux

WE650

AC650 Wi-Fi PCI-E Adapter

- Up to 433 Mbps on 5 GHz
- Up to 200 Mbps on 2.4 GHz
- Windows 10/11 (64-bit)

Wired

PE10G

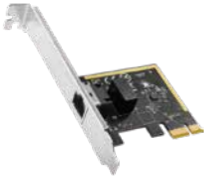
10 Gbps PCI-E Ethernet Adapter

- Marvell AQC113
- 10 Gbps Ethernet Port
- Requires a PCI-E 3.0 x4 Slot
- Wake-On-LAN
- Flow Control
- Standard/Low-Profile Brackets Included
- Windows 7 to 11 / Windows Server 2012 to 2022 / Linux

PE25

2.5 Gbps PCI-E Ethernet Adapter

- 2.5 Gbps Ethernet Port
- Requires a PCI-E 2.1 x1 Slot
- Wake-On-LAN
- Flow Control
- Standard/Low Profile Brackets Included
- Windows 7 to 11 / Windows Server 2012 to 2022 / Linux



PE10

Gigabit PCI-E Ethernet Adapter

- Gigabit Ethernet Port
- Requires a PCI-E x1 Slot
- Wake-On-LAN
- Flow Control
- Standard/Low Profile Brackets Included
- Windows / Linux

LIGHT. TYPE. CREATE.

Wired Rainbow Mechanical Keyboard

Model : KG041

Dynamic Rainbow Backlit

Smooth Red Switches

Hot-Swappable Design

KG043

Tri-Mode Feather Switch Mechanical Keyboard

- Feather-Light 29gf Actuation
- Personalized TFT Smart Display
- Feather Switch, Hot-Swappable
- Dynamic RGB Breathing Backlight
- Long-Lasting 4000 mAh Battery

KG811M

Wired RGB Magnetic Switch Keyboard

- 0.01ms Rapid Trigger
- 8K Polling Rate
- Magnetic Switch, Hot-Swappable
- Compact Design Saves Desk Space
- Dynamic RGB Breathing Backlight

KG041

Wired Rainbow Mechanical Keyboard, 104-Key Full-Size

- Red Switches, Hot-Swappable
- 50 Million Keystroke Lifespan
- Rainbow Backlit, 20+ Light Mode
- Full-Key Anti-Ghosting
- Standard 104-Key with Mini Keypad

KG871

Wired Rainbow Mechanical Keyboard, 87-Key TKL

- Red Switches, Hot-Swappable
- 50 Million Keystroke Lifespan
- Rainbow Backlit, 20+ Light Mode
- Full-Key Anti-Ghosting
- TKL Layout Saves Desk Space

MK200

Silent Wireless Keyboard and Mouse Combo

- 104-Key Full-Size Layout
- Silent Typing & Clicking
- Reliable 2.4G Wireless
- One Receiver, Two Devices

MK100

Silent Wired Keyboard and Mouse Combo

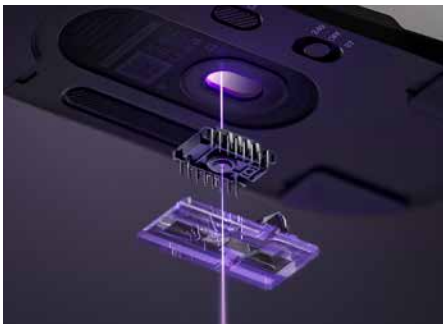
- 104-Key Full-Size Layout
- Silent Typing & Clicking
- Wired Connection

Dual 8K Lightweight Tri-Mode Gaming Mouse

Precision. Speed. Dominance.

Model : MS9588

Dual 8K Polling Rate



Top Gaming Sensor PAW3395

So Smooth, You Won't Let Go

MS9588

Dual 8K Lightweight Tri-Mode Wireless Gaming Mouse

- Top Gaming Sensor PAW3395
- 58g Ultra-Light Design for FPS Gaming
- Wireless/Wired Dual 8K Polling Rate
- 400-800-1600-3200-6400-26000 DPI
- 2.4G / Bluetooth / Wired Tri-Mode

RGB Spectrum Flow

MS9892

Tri-Mode Wireless Gaming Mouse

- Premium Gaming Sensor PAW3311
- Ergonomic for Medium-Large Hands
- RGB Spectrum Flow LED
- 800-1600-2400-3200-6400-10000 DPI
- 2.4G / Bluetooth / Wired Tri-Mode

Gaming Breathing LED

MS9891

Tri-Mode Wireless Gaming Mouse

- Premium Gaming Sensor PAW3311
- Ergonomic for Medium-Small Hands
- Gaming Breathing LED
- 800-1600-2400-3200-6400-10000 DPI
- 2.4G / Bluetooth / Wired Tri-Mode

MS9890

Tri-Mode Lightweight Wireless Gaming Mouse

- Premium Gaming Sensor PAW3311
- 58g Ultra-Light Design for FPS Gaming
- 400-800-1200-1600-2400-3200 DPI
- 2.4G / Bluetooth / Wired Tri-Mode

MS9945 ○●

2.4G/BT Wireless Mouse

- Ergonomic Design, 6 Buttons
- 800-1600-3200 DPI
- 2.4G and Bluetooth Dual-Mode
- AA Battery

MS9934 ○●

2.4G Rechargeable Wireless Mouse

- Ergonomic Design for Large Hand, 6 Buttons
- 800-1200-1600 DPI
- Rechargeable 450mAh Built-In Battery

MS9933 ○●

2.4G Rechargeable Wireless Mouse

- Ergonomic Design, 6 Buttons
- 800-1200-1600 DPI
- Rechargeable 450mAh Built-In Battery

MS9932

2.4G Silent Wireless Mouse

- Silent Clicks, Slim and Compact, 4 Buttons
- 800-1200-1600 DPI
- AA Battery

MS9931

2.4G Wireless Mouse

- Modern Design, 4 Buttons
- 800-1200-1600 DPI
- AA Battery

MS9923

2.4G Silent Wireless Mouse

- Silent Clicks, Slim Design, 4 Buttons
- 800-1200-1600 DPI
- AA Battery

MS9922

2.4G Wireless Mouse

- Modern Design
- 800-1200-1600 DPI
- AA Battery

MS9911

Wired Mouse

- 1000-1600-2000 DPI
- 1.5m USB Cable

Mouse Pads

MAT202

Office Desk Pad

- 800 x 400 x 3mm
- Anti-Slip Rubber Base
- Easy Gliding, Spill-Resistant Surface

MAT201

Office Desk Pad

- 800 x 400 x 3mm,
- Anti-Slip Rubber Base
- Easy Gliding, Spill-Resistant Surface

MAT101

Office Mouse Pad

- 250 x 200 x 3mm
- Anti-Slip Rubber Base
- Easy Gliding, Spill-Resistant Surface

6-In-1 USB-C Hub with Gigabit Ethernet Port

Model : UH606

4K 60 Hz	2K 144 Hz	Gigabit	5 Gbps	Max 100W
HDMI 2.0	High Refresh	RJ45 Ethernet	Transmission	PD Passthrough

UH606

6-In-1 USB-C Hub with GbE & 4K@60Hz HDMI

- 1× HDMI 2.0
- 3× USB-A (5 Gbps)
- 1× Gigabit Ethernet RJ45 Port
- 1× USB-C Receiving 100W PD

UH605

5-In-1 USB-C Hub with GbE

- 3× USB-A (5 Gbps)
- 1× Gigabit Ethernet RJ45 Port
- 1× USB-C Port Receiving 5V2A DC

UH407

7-In-1 USB-C Hub with SD/TF & 4K HDMI

- 1× HDMI 2.0
- 2× USB-A (5 Gbps), 1× USB-C (5 Gbps)
- 1× USB-C Receiving 100W PD
- 1× TF Slot, 1× SDXC Slot
- 1× USB-C Receiving 100W PD

UH405

5-In-1 USB-C Hub with 4K HDMI

- 1× HDMI 1.4
- 1× USB-A (5 Gbps), 2× USB-A 2.0
- 1× USB-C Receiving 100W PD

UH401

USB-C To 4K@60Hz HDMI

- 1× HDMI 2.0
- 1× Upstream USB-C Male
- Universal Compatibility

UH40A

4-Port USB 3.0 Hub

- 1× Upstream USB-A Male
- 4× USB-A (5 Gbps)
- Universal Compatibility

UH200

2-In-1 Dual USB 3.0 SD/TF Card Reader

- 1× USB-C (5 Gbps)
- 1× USB-A (5 Gbps)
- 1× SD Card Slot, 1× TF Card Slot

VC300

HDMI to USB Video Capture Card

- USB 3.0, 1080P@60Hz Capture
- HDMI 4K Input
- Windows/macOS/Linux

USB RJ45 Adapters

USB-A to 2.5 Gbps Ethernet Adapter

Model : UE25A

2.5 Gbps | Plug & Play | Metal Casing | Pocket-Size

UE10A

USB-A to Gigabit Ethernet Adapter

- Gigabit Ethernet Port
- USB-A 3.0 to RJ45
- Windows/macOS/Linux/Android

UE10C

USB-C to Gigabit Ethernet Adapter

- Gigabit Ethernet Port
- USB-C 3.0 to RJ45
- Windows/macOS/Linux/Android

UE25A

USB-A to 2.5Gbps Ethernet Adapter

- 2.5G Ethernet Port
- USB-A 3.0 to 2.5G RJ45
- Windows/macOS/Linux/Android

UE25C

USB-C to 2.5Gbps Ethernet Adapter
USB Adapter

- 2.5G Ethernet Port
- USB-C 3.0 to 2.5G RJ45
- Windows/macOS/Linux/Android

USB Cables

UC18

1.8 m USB-C Charging Cable

- 60W Fast Charging
- Max 20V 3A

UC10

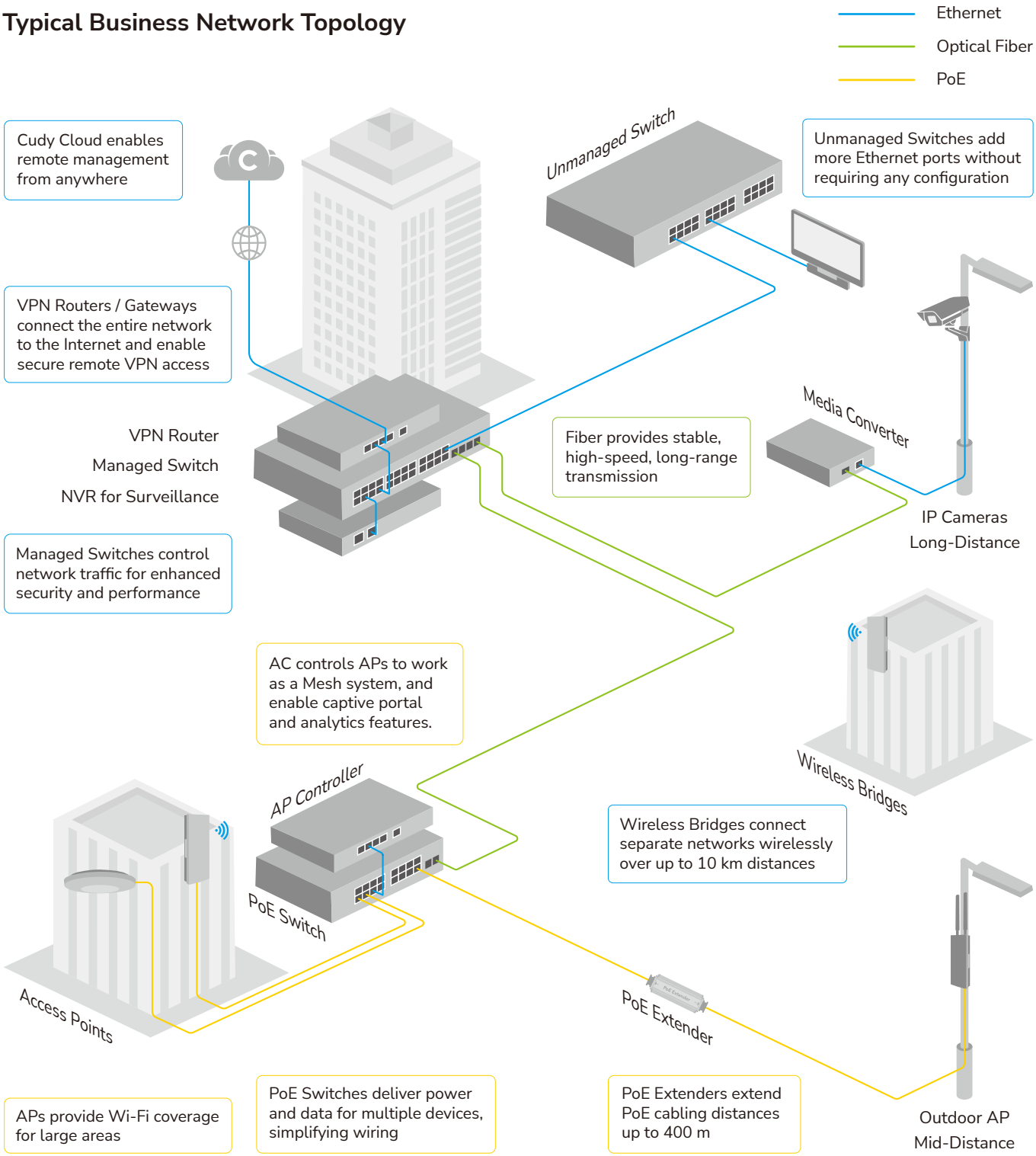
1 m USB-C Charging Cable

- 60W Fast Charging
- Max 20V 3A

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 for business owners to build a reliable network.

Typical Business Network Topology



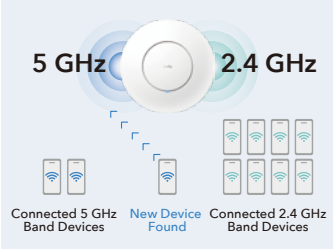
A Smart Business Wi-Fi for Customers' Satisfaction

Multi-SSID

Multi-SSID creates multiple Wi-Fi names for different tasks or user groups, reducing the risk of unauthorized access and potential security breaches.

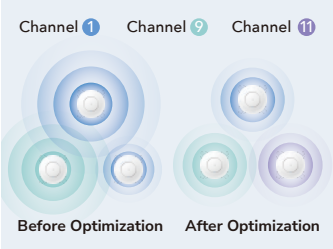
Captive Portal

Captive portal allows you to improve brand awareness by displaying a customized login page for new clients, which satisfies authorization and marketing demands.



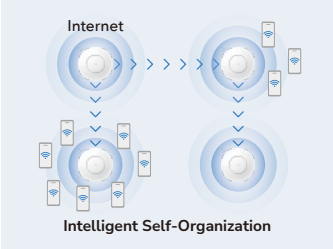
Band Steering

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



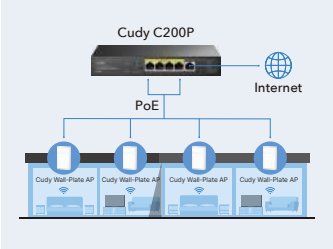
Auto Channel Selection

Avoid signal interruptions with nearby access points.



Auto Mesh Optimization

Form mesh backhaul via less congested routes automatically.



Central Management

Remotely manage the whole Wi-Fi system with Cudy AC.

AP Controllers

C500P

2-in-1 10G VPN Router / AP Controller with 8 2.5G PoE+ Ports

- 1 × 10GbE WAN, 8 × 802.3at/af 2.5GbE LAN
- 1 × USB-C Port
- 200W Power Supply
- Captive Portal, Multi-SSID, VPN

C200P

2-in-1 Gigabit VPN Router / AP Controller

- 1× GbE WAN, 4× 802.3at/af GbE LAN
- 1× USB 3.0
- 60W Power Supply
- Captive Portal, Multi-SSID, VPN

Ceiling-Mount AP

For large area coverage such as stadium, lecture hall, and train station.

AP11000

BE11000 Tri-Band Wi-Fi 7 Access Point

- 1.5 GHz Quad-Core CPU
- 5.7 Gbps + 4.3 Gbps + 688 Mbps
- 1× 10G SFP+, 1× 2.5GbE (PoE In)
- PoE, Passive PoE, or DC Power

AP6500

BE6500 Wi-Fi 7 Access Point

- 2 GHz Quad-Core CPU
- 5.7 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 10G SFP+, 1× 2.5GbE (PoE In)
- PoE, Passive PoE, or DC Power

AP5000

BE5000 Wi-Fi 7 Access Point

- 2 GHz Quad-Core CPU
- 4.3 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 2.5GbE (PoE In)
- 1× 2.5GbE (PoE Out)
- PoE, Passive PoE, or DC Power

AP3600

BE3600 2.5G Wi-Fi 7 Access Point

- 2 GHz Quad-Core CPU
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 2.5GbE (PoE In)
- 1× GbE (PoE Out)
- PoE, Passive PoE, or DC Power

AP3000 2.0

AX3000 2.5G Access Point

- 1.3 GHz Duad-Core CPU
- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× 2.5GbE (PoE In), 1× GbE
- 5× Wi-Fi Antennas
- PoE, Passive PoE, or DC Power

AP3000S

AX3000 Gigabit Access Point

- 1.2 GHz Dual-Core CPU
- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× Gigabit Ethernet Port (PoE In)
- PoE, Passive PoE, or DC Power

AP1300

AC1200 Gigabit Access Point

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× Gigabit Ethernet Port (PoE In)
- PoE, Passive PoE, or DC Power

Wall-Plate AP

Provides room-dedicated coverage,
such as hotel rooms and dormitory en-suites.

AP3600 Wall

BE3600 2.5G Wi-Fi 7 Wall-Plate Access Point

- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 2.5GbE (PoE In) on the back
- 1× 2.5GbE LAN (PoE Out), 3× GbE LAN
- PoE 802.3at/af
- 143×86×27.6 mm

AP3000 Wall

AX3000 Wi-Fi 6 Wall-Plate Access Point

- 1.3 GHz Dual-Core CPU
- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× GbE (PoE In) on the back
- 1× GbE LAN (PoE Out), 3× GbE LAN
- PoE 802.3at/af
- 143×86×27.6 mm

AP1300 Wall

AC1200 Wall-Plate Access Point

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× GbE (PoE In) on the back
- 1× GbE LAN (PoE Out), 3× GbE LAN
- PoE 802.3at/af
- 143×86×27.6 mm

AP3600E Wall

BE3600 2.5G Wi-Fi 7 Wall-Plate Access Point

- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 2.5GbE (PoE In) on the back
- 1× 2.5GbE LAN
- PoE 802.3at/af
- 86×86×43 mm

AP3000E Wall

AX3000 2.5G Wi-Fi 6 Wall-Plate Access Point

- 1.3 GHz Dual-Core CPU
- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× 2.5GbE (PoE In) on the back
- 1× GbE LAN
- PoE 802.3at/af
- 86×86×43 mm

AP1300E Wall

AC1200 Wall-Plate Access Point

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× GbE (PoE In) on the back
- 1× GbE LAN
- PoE 802.3at/af
- 86×86×43 mm

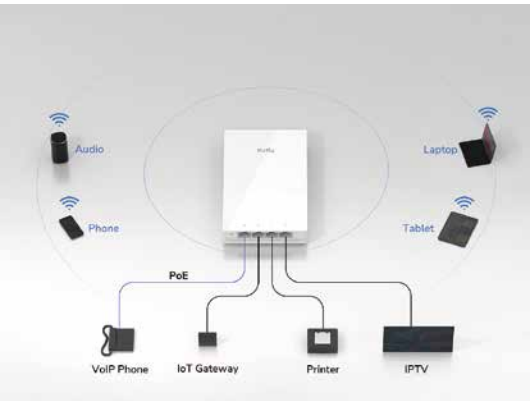
Common Features

Install on the Electrical Box

Saves spaces, merge into environment

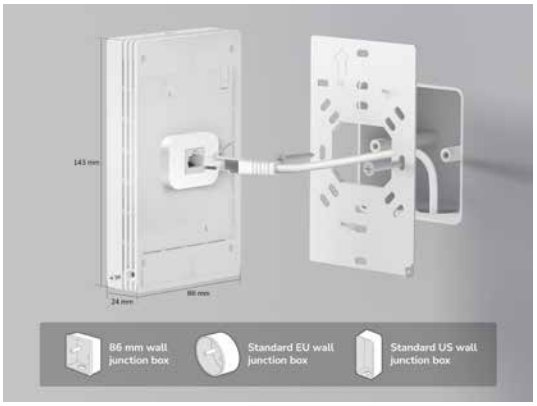
Hardware Watchdog

Reboots system automatically when software freezes



Wi-Fi and Ethernet with PoE Passthrough

Share your network via both wireless and wired connections. PoE passthrough is available for powered devices (PDs) such as VoIP phones.



Effortless Wall-Mount Installation

Fits perfectly in a standard electrical box. It simplifies setup by eliminating the need for complex wiring or additional equipment.

Outdoor

Wireless Coverage in Challenging Environments

Outdoor AP

The weather-proof AP solution for parks, gardens, parking lots, and more.

AP3600 Outdoor

Indoor/Outdoor BE3600 2.5G Wi-Fi 7 Access Point

- 2 GHz Quad-Core CPU
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 1× 2.5GbE (PoE In)
- 2× Detachable Antennas
- IP65, -40~70 °C, 6kV Surge Protection
- 802.3at, 48-57V Passive PoE
- Hardware Watchdog
- Cudy Mesh

AP3000 Outdoor

Indoor/Outdoor AX3000 High-Power Wi-Fi 6 Access Point

- 1.3 GHz Dual-Core CPU
- 2.4 Gbps (5 GHz) + 574 Mbps (2.4 GHz)
- 2× Detachable Antennas + 1× Internnal Antenna
- 1× Gigabit Ethernet Port (PoE In)
- IP65, -40~70 °C, 6kV Surge Protection
- 802.3at, 48-57V Passive PoE
- Hardware Watchdog
- Cudy Mesh
- Additional PA boosts range up to 320 meters

AP1300 Outdoor

Indoor/Outdoor AC1200 Gigabit Wireless Access Point

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× Gigabit Ethernet Port (PoE In)
- 2× Detachable Antennas
- IP65, -40~65 °C, 4kV Surge Protection
- 802.3at/af, 24-57V Passive PoE
- Hardware Watchdog
- Cudy Mesh

AP1200 Outdoor

Indoor/Outdoor AC1200 Wireless Access Point

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× 10/100 Mbps Ethernet Port (PoE In)
- 2× Detachable Antennas
- IP65, -40~65 °C, 4kV Surge Protection
- 24V Passive PoE

Wireless Bridges

WB05 Kit

2.4 GHz 300 Mbps 500 m PtP Wireless Bridge

Each kit includes 2 × WB05 units. Specs:

- 300 Mbps (2.4 GHz)
- Max 500 m distance
- 1× 10/100 Mbps Ethernet Port (PoE In)
- 1× 10/100 Mbps Ethernet Port (PoE Out)
- Power: DC, or 12-57V Passive PoE
- PoE Out: 48V Passive PoE
- IP55 WaterProof, -30°C~60°C, 4kV Surge/Lightning Protection (RJ45)

WB5K Kit

5 GHz 867 Mbps 5 km PtP Wireless Bridge

Each kit includes 2 × WB5K units. Specs:

- 867 Mbps (5 GHz)
- Max 5 km distance
- 1× Gigabit Ethernet Port (PoE In)
- 1× Gigabit Ethernet Port (PoE Out)
- Power: DC, 802.3at/af, or 48-57V Passive PoE
- PoE Out: 802.3af or 48V Passive PoE
- IP65 WaterProof, -40°C~65°C, 6kV Surge/Lightning Protection (RJ45)

WB10K Kit

5 GHz AX2400 10km PtP Wireless Bridge

Each kit includes 2 × WB10K units. Specs:

- 2402 Mbps (5GHz) Wi-Fi 6
- Max 10 km distance
- 1× 2.5 Gbps Ethernet Port (PoE In)
- 1× Gigabit Ethernet Port (PoE Out)
- Power: DC, 802.3at/af PoE, or 48-57V Passive PoE
- PoE Out: 802.3af or 48V Passive PoE
- IP65 WaterProof, -40°C~65°C, 6kV Surge/Lightning Protection (RJ45)

Actual speed depends on the deployment distance and environmental interference. See the real-world speed-by-distance reference at cudy.com.

Auto Bridge Pairing

Pre-configured for automatic pairing. Power on and connect with minimal setup.

Pole/Wall Mounting

Supports flexible installation across different deployment environments.

Easy Network Management with Cudy APP

Antenna Alignment

Built-in real-time signal strength visualization lets installers align remote radios precisely using just their smartphone.

Speed Test

One-tap throughput testing lets you instantly verify uplink/downlink rates and packet loss between paired radios.

Interference Detection

Automatic spectrum scanning detects co-channel and adjacent-channel interference and recommends the best available channel for a stable link.

Monitor & Configuration

Configure bridges and monitor link status remotely from Cudy APP.

Gateway

R700

Gigabit Multi-WAN VPN Router

- 5× Gigabit Ethernet Ports
- Max 4× WAN with Load Balance
- VPN (PPTP/L2TP/IPSec/WireGuard/ OpenVPN/Zerotier)
- Supports 20 IPsec Tunnels, 16 PPTP/L2TP Tunnels, 16 OpenVPN Tunnels, 16000 Concurrent Sessions

R800

10G Multi-WAN VPN Router

- 1× 10GbE, 8× 2.5GbE
- 1× USB-C 3.0 for Configuration Backup
- 1 × USB-C 3.0, File Sharing/Tethering PPTP/L2TP/IPSec/WireGuard/ OpenVPN/Zerotier
- Support 100 IPsec VPN Tunnels, 16 PPTP/L2TP VPN Tunnels, 30 OpenVPN Tunnels, 50000 Concurrent Sessions

Network Switch

10G Network Switch

Models	XS108	XS105
Ethernet Ports	8× 10G RJ45	5× 10G RJ45
MAC Address	16384	16384
Switching Capacity	160 Gbps	100 Gbps
Max Forwarding Rate	119 Mpps	74.4 Mpps
Jumbo Frame	12 KB	12 KB
Fans	1	-
Power	AC	AC
Installation	Rackmount, Wallmount	
Dimension	256×170×44 mm	220×162×44 mm

2.5G Easy-Managed Switch

Models	HS108ES1	HS105ES1	HS105(v3)	HS105U
Ethernet Ports	8× 2.5G RJ45 1× 10G SFP+	5× 2.5G RJ45 1× 10G SFP+	5× 2.5G RJ45	5× 2.5G RJ45
MAC Address	4096	4096	4096	4096
Switching Capacity	60 Gbps	45 Gbps	25 Gbps	25 Gbps
Max Forwarding Rate	44.64 Mpps	33.48 Mpps	18.6 Mpps	18.6 Mpps
Jumbo Frame	9 KB	9 KB	9 KB	9 KB
Management	Web / Cloud			
VLAN	802.1Q VLAN			
QoS	Port/802.1p/DSCP QoS Speed Limiting SP/WRR			
Switching	Loop Detection/Prevention Port Trunk			
Security	User Account/Storm Control MAC Binding/Constraint			
Power	DC	DC	DC	USB-C
Installation	Wallmount			
Dimension	190×100×28 mm	119×85×28 mm	119×85×28 mm	100×92×32.5 mm

L3/L2 Managed Switch

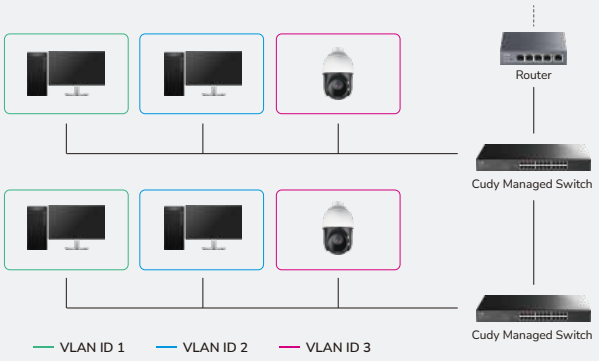
Models		GS5024S4	GS2024S2
Hardware	RJ45 Ports	24× GbE	24× GbE
	SFP Slots	4× 10G SFP+	2× SFP
	Console Ports	RJ45, USB	RJ45
	Switching Capacity	128 Gbps	58 Gbps
Performance	MAC Address Table	16384	8192
	Jumbo Frame	12 KB	9.6 KB
	VLANs	4096	4096
	Forwarding Rate	95.232 Mpps	43.152 Mpps
L2+ Features	DHCP Snooping	√	
	IGMP Snooping	V1/V2/V3	
	Spanning Tree	STP/RSTP/MSTP	
	VLAN	802.1Q/MAC/Protocol, GVRP/Voice VLAN, MTU 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	√	
	IMPV Binding	√	
	ARP Proxy	√	
	IP Source Guard	√	
	UDLD	√	
	ACL (Layer 2 - 4)	√	
	Others	Jumbo Frame Settings, Storm Control	
Management	SNMP	V1/V2/V3	
	CLI	Telnet/SSH	
	RMON	Statics/History/Event/Alarm	
Pysical	Reset Button	√	
	Dimension (mm)	440×280×44	440×204×44
	Installation	Rackmount	Rackmount

VLAN

With 802.1Q VLAN, you can assign clients to different VLAN networks by specifying a VLAN ID. This ID remains consistent across other VLAN capable switches, enabling effective segmentation and management of network traffic.

Network Security

Department Segmentation



Gigabit Easy-Managed Switch

Models	GS1028ES2	GS1024E	GS1016ES2	GS1016E	GS108ES2	GS108E	GS105ES1
Ethernet Ports	26× GbE RJ45 2× GbE RJ45/SFP	24× GbE RJ45	16× GbE RJ45 2× SFP	16× GbE RJ45	8× GbE RJ45 2× SFP	8× GbE RJ45	5× GbE RJ45 1× SFP
Management	Web, Cudy Cloud (Cudy App)						Web
	SNMPv1/v2c, Trap						-
VLAN	Port/MTU/802.1Q						
QoS	Port/802.1p/DSCP QoS, Speed Limiting						
	SP/WRR/WFQ						
Switching	Port Trunk, Port Mirror						
	Loop Detection/Prevention						
	LLDP						-
Security	User Account/Storm Control						
	MAC Binding/Constraint						-
	DHCP Snooping						
Efficiency	IGMP Snooping						
Power	AC	AC	AC	AC	DC	DC	DC
DIP Switch	-	Extend/VLAN/ Managed	-	Extend/VLAN/ Managed	-	-	-
Installation	Rackmount	Rackmount	Rackmount	Wallmount	Wallmount	Wallmount	Wallmount
Dimension	440×180×44 mm	440×180×44 mm	440×180×44 mm	200×118×44 mm	190×100×28 mm	138×78×25 mm	119×85×28 mm

Cudy Cloud

Easy Management via Cudy Cloud

Cudy Cloud Easy-Managed switches let you monitor device status, adjust settings, and troubleshoot remotely—making network management simple and efficient.

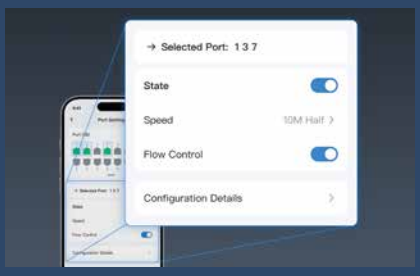
* Cudy App only. Web portal coming soon.

Centralized Management

Monitor all your Cudy easy-managed cloud switches from a single, unified dashboard within the Cudy App, accessible from anywhere.

Status Monitor

View real-time switch status, PoE budget utilization, traffic throughput, and detailed port information.



Fix Issues Remotely

Instantly reboot a stuck camera or AP, or trigger a speed change from your phone without driving to the site.

The PoE Easy-Managed switches are listed on page 37

Gigabit Unmanaged Switch

Models	GS1024	GS1016	GS108	GS108D	GS108U	GS105	GS105D	GS105U
Ethernet	24× GbE RJ45	16× GbE RJ45	8× GbE RJ45			5× GbE RJ45		
MAC Address	8192	8192	4096			2048		
Switching Capacity	48 Gbps	32 Gbps	16 Gbps			10 Gbps		
Max Forwarding Rate	35.7 Mpps	23.8 Mpps	11.904 Mpps			7.44 Mpps		
Jumbo Frame	15 KB	15 KB	9 KB	9 KB		15 KB	9 KB	
QoS	DSCP/802.1p QoS		-	-		-	-	
Switching	Loop Detection/Prevention			-		-	-	
Efficiency	IGMP Snooping			-		-	-	
DIP Switch	Default / VLAN / Extend		-	-		-	-	
Casing	Metal	Metal	Metal	Plastic		Metal	Plastic	
Power	AC	AC	DC	DC	USB-C	DC	DC	USB-C
Installation	Desktop, Rackmount		Desktop, Wallmount					
Dimension	270×182×44 mm	200×118×44 mm	138×78×25 mm	138×61.5×24 mm		86.5×53×23 mm	88×52.5×24 mm	

10/100 Mbps Unmanaged Switch

Models	FS1024	FS1016	FS108D	FS105D
Ethernet Ports	24× FE RJ45	16× FE RJ45	8× FE RJ45	5× FE RJ45
MAC Address	8192	8192	2048	2048
Switching Capacity	4.8 Gbps	3.2 Gbps	1.6 Gbps	1 Gbps
Max Forwarding Rate	3.57 Mpps	2.38 Mpps	1.1904 Mpps	0.744 Mpps
DIP Switch	Default / VLAN / Extend		-	-
Casing	Metal	Metal	Plastic	Plastic
Power	AC	AC	DC (v4) / USB-C (v5)	DC (v4) / USB-C (v5)
Installation	Rackmount	Rackmount	Wallmount	Wallmount
Dimension	270×182×44 mm	200×118×44 mm	138×61.5×24 mm	88×52.5×24 mm

Built for Versatile Scenarios

Office Network

Mall Wi-Fi

Surveillance

ISP FTTB

PoE Switch

Multi-Gigabit PoE Switch

HS1008EPS1

8-Port Multi-Gigabit Cloud Easy-Managed PoE+ Switch with 10G SFP+

- 8× 2.5GbE with 802.3at/af Mode A PoE
- 1× 10G SFP+
- 120W Power Supply
- PoE Max Status LED
- Web/Cloud Management
- Per-Port PoE Management
- VLAN, QoS, Port Trunk, etc
- Loop Detection and Prevention
- Desktop, Rack-Mount, Wall-Mount
- 256×170×44 mm (10.08×6.69×1.73")

L3/L2 Managed PoE Switches

Models		GS5024PS4	GS2048PS4	GS2028PS4	GS2018PS2	GS2008PS2
Hardware	**RJ45 Ports**	24× GbE	48× GbE	28× GbE (4× Combo)	18× GbE	8× GbE
	SFP/SFP+ Slots	4× 10G SFP+	4× 10G SFP+	4× SFP (Combo)	2× SFP	2× SFP
	PoE+ Ports	1-24	1-4 (++) 5-44(+)	1-24	1-16	1-8
	Console Ports	RJ45/USB	RJ45	RJ45	RJ45	RJ45
	Power Supply (W)	400	750	300	200	130
	Power of Each Port (W)	30	30 (+) 90 (++)	30	30	30
	PoE Standards	802.3at/af	802.3bt/at/af	802.3at/af		
	PoE Watchdog	√	√	√	√	√
	Fans	1	1	-	-	-
	Power Input	Internal AC100-240V				
Performance	**MAC Address Table**	16384	32768	8192	8192	8192
	Jumbo Frame	12 KB	12 KB	9.6 KB	9.6 KB	9.6 KB
	VLANs	4096	4096	4096	4096	4096
	Forwarding Rate	95.23 Mpps	130.94 Mpps	41.66 Mpps	29.76 Mpps	14.88 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				
	RMON	Statics/History/Event/Alarm				
Pysical	**Reset Button**	√	√	√	√	√
	Dimension (mm)	440×280×44	440×305×44	440×285×45	440×205×44	268×181×44
	Installation	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount

Gigabit Easy-Managed PoE+ Switch

Models	GS1028EPS2	GS1016EPS2	GS1008EPS2	GS1005PTS1
PoE Ports	24× GbE PoE+ RJ45	16× GbE PoE+ RJ45	8× GbE PoE+ RJ45	1× GbE 60W PoE+ RJ45 3× GbE 30W PoE+ RJ45
Non-PoE Ports	2× GbE RJ45 2× GbE RJ45/SFP Combo	2× SFP	2× SFP	1× GbE RJ45 1× GbE SFP
Power Supply	300W	200W	120W	120W
MAC Address	8192	8192	4096	2048
Switching Capacity	56 Gbps	36 Gbps	21 Gbps	12.5 Gbps
Max Forwarding Rate	41.664 Mpps	26.78 Mpps	14.88 Mpps	8.929 Mpps
Jumbo Frame	15 KB	15 KB	15 KB	15 KB
Management	Cudy Cloud (Cudy App), Web			Web
	SNMPv1/v2c, Trap			-
VLAN	Port/MTU/802.1Q VLAN			Port/MTU/802.1Q VLAN
QoS	Port/802.1p/DSCP QoS			Port/802.1p/DSCP QoS
	SP/WRR/WFQ			SP/WRR/WFQ
Switching	Port Trunk, Port Mirror			Port Trunk, Port Mirror
	Loop Detection/Prevention			Loop Detection/Prevention
	LLDP			-
Security	User Account/Storm Control			User Account/Storm Control
	MAC Binding/Constraint			MAC Binding/Constraint
	DHCP Snooping			-
Efficiency	IGMP Snooping			IGMP Snooping
Power	AC	AC	AC	AC
Installation	Desktop, Rackmount	Desktop, Rackmount	Desktop, Rackmount	Desktop, Wallmount
Dimension	440×220×44 mm	440×220×44 mm	200×118×44 mm	200×118×44 mm

Learn more about Easy-Managed Features on page 34

Gigabit Unmanaged PoE+ Switch - Data Communication Models

Data communication models focus on features and high-power redundancy

Models	GS1028PS2	GS1010PE
PoE Ports	24× GbE PoE+ RJ45	8× GbE PoE+ RJ45
Uplink Ports	2× GbE RJ45, 2× RJ45/SFP Combo	2× GbE RJ45
Power Supply	300W	120W
MAC Address	8192	2048
Switching Capacity	56 Gbps	20 Gbps
Max Forwarding Rate	41.664 Mpps	14.88 Mpps
Jumbo Frame	15 KB	9 KB
PoE Max Indicator	√	√
PoE Port Status	√	√
Fans	Smart Cooling, 1× Fan	-
DIP Switch	Extend On/Off, VLAN On/Off Watchdog On/Off	
Extend Mode Ports	#17-24	All PoE Ports
QoS	DSCP/802.1p QoS	-
Switching	Loop Detection/Prevention	-
Power Input	AC	AC
Installation	Rackmount	Rackmount
Dimension	440×220×44 mm	256×170×44 mm

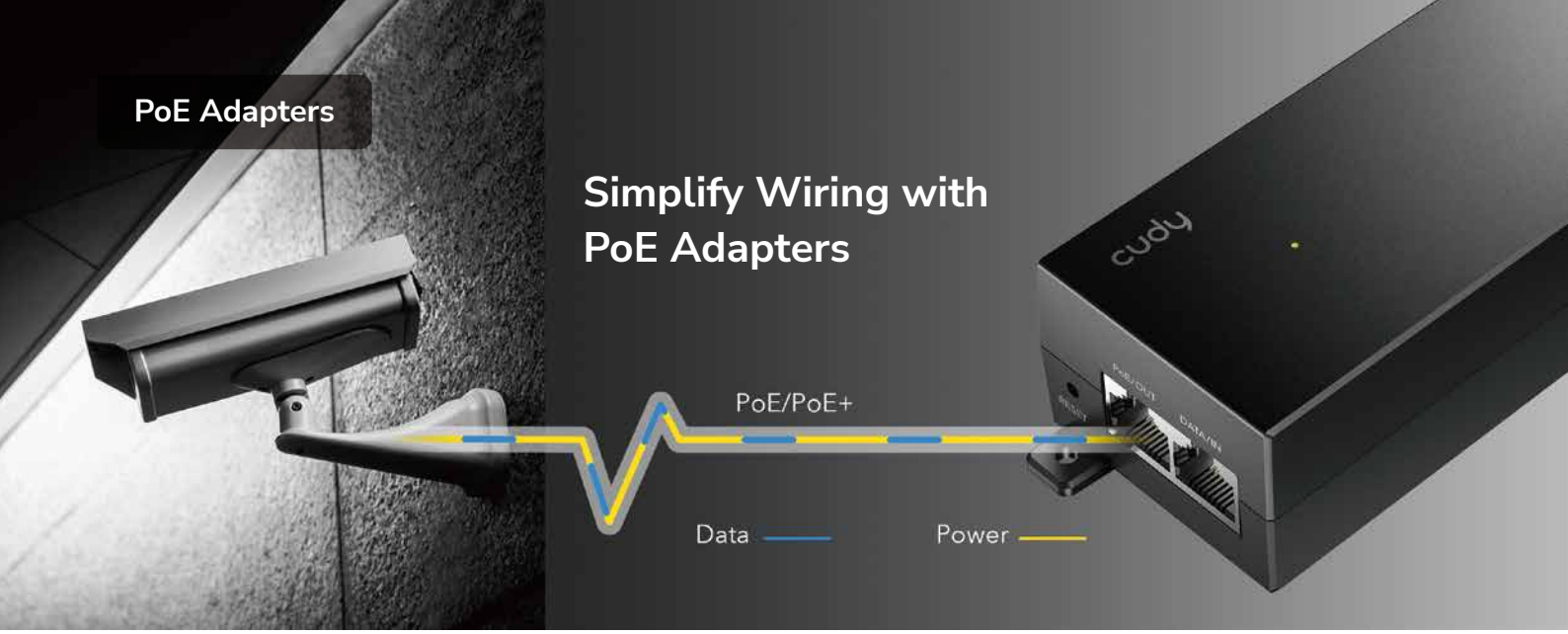
Gigabit Unmanaged PoE+ Switch — Surveillance Models

Surveillance models are built for connecting edge clients with the most essential PoE features.

Models	GS1026PS2	GS1018PS2	GS1010PS2	GS1010P	GS1005P	GS105P
Ethernet Ports	24× GbE PoE+ RJ45 2× GbE RJ45 2× SFP	16× GbE PoE+ RJ45 2× GbE RJ45 2× SFP	8× GbE PoE+ RJ45 2× GbE RJ45 2× SFP	8× GbE PoE+ RJ45 2× GbE RJ45	4× GbE PoE+ RJ45 1× GbE RJ45	
Power Supply	300W	200W	120W	120W	60W	36W
MAC Address	2048	2048	2048	2048	2048	
Switching Capacity	56 Gbps	40 Gbps	24 Gbps	20 Gbps	10 Gbps	
Max Forwarding Rate	41.664 Mpps	29.76 Mpps	17.856 Mpps	14.88 Mpps	7.44 Mpps	
Jumbo Frame	15 KB	15 KB	15 KB	9 KB	15 KB	
PoE Max Indicator	√	√	√	√	√	
PoE Port Status	√	√	√	-	√	
Fans	Smart Cooling, 1× Fan	-	-	-	-	
DIP Switch	Extend On/Off, VLAN On/Off Watchdog On/Off				VLAN/Default/Extend Watchdog On/Off	
Extend Mode Ports	#17-24	#9-16	All PoE Ports			
Power Input	AC	AC	AC	AC	DC	
Installation	Rackmount	Rackmount	Rackmount	Wallmount	Wallmount	
Dimension	440×180×44 mm	440×180×44 mm	256×170×44 mm	200×118×44 mm	119×85×28 mm	

10/100 Mbps Unmanaged PoE+ Switch

Models	FS1026PS1	FS1018PS1	FS1010PG	FS1010P	FS1006P	FS106P
PoE Ports	24× FE PoE+ RJ45	16× FE PoE+ RJ45	8× FE PoE+ RJ45	8× FE PoE+ RJ45	4× FE PoE+ RJ45	4× FE PoE+ RJ45
Uplink Ports	2× GbE RJ45 1× GbE SFP	2× GbE RJ45 1× GbE SFP	2× GbE RJ45	2× FE RJ45	2× FE RJ45	2× FE RJ45
PoE Supply	300W	200W	120W	120W	65W	36W
MAC Address	2048	2048	2048	2048	2048	2048
Switching Capacity	10.8 Gbps	9.2 Gbps	5.6 Gbps	2 Gbps	1.2 Gbps	1.2 Gbps
Max Forwarding Rate	8 Mpps	6.844 Mpps	4.166 Mpps	1.488 Mpps	0.8928 Mpps	0.8928 Mpps
PoE Max Indicator	√	√	√	√	-	-
PoE Port Status	√	√	√	√	√	√
DIP Switch	Extend On/Off, VLAN On/Off, Watchdog On/Off				VLAN/Default/Extend	
Extend Mode Ports	#17-24	#9-16	All PoE Ports			
Power Input	AC	AC	AC	AC	AC	DC
Installation	Rackmount	Rackmount	Wallmount	Wallmount	Wallmount	Wallmount
Dimension	440×180×44 mm	270×182×44 mm	200×118×44 mm	200×118×44 mm	200×118×44 mm	138×61.5×24 mm



PoE/ PoE+/PoE++

Standard IEEE PoE

Models	POE200	POE200H	POE300	POE350	POE400	POE400X
PoE Power	30W	30W	60W	90W	90W	90W
PoE Standards	802.3at/af	802.3at/af	802.3bt/at/af	802.3bt/at/af	802.3bt/at/af	802.3bt/at/af
Ethernet Ports	GbE In GbE Out	2.5GbE In 2.5GbE Out	GbE In GbE Out	GbE In GbE Out	GbE In GbE Out	10GbE In 10GbE Out
Pins	Mode A	Mode A	Four-Pair	Four-Pair	Four-Pair	Four-Pair
Housing	Plastic	Plastic	Metal	Metal	Metal	Metal
Wall Mounting	√	√	√	√	√	√

Passive PoE

No Negotiation PoE

Models	POE-DC	POE24-12W	POE24-18W	POE24-30W	POE48-18W	POE52-30W
PoE Output	Max. 1A	24V, 12W	24V, 18W	24V, 30W	48V, 18W	48-52V, 30W
Power Input	5.5 mm Connector	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC
Ethernet Ports	GbE In GbE Out	10/100M In 10/100M Out	GbE In GbE Out	GbE In GbE Out	GbE In GbE Out	GbE In GbE Out
Housing	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Pins	Mode B	Mode B	Mode B	Mode B	Mode B	Mode B
Wall Mounting	√	√	√	√	√	√

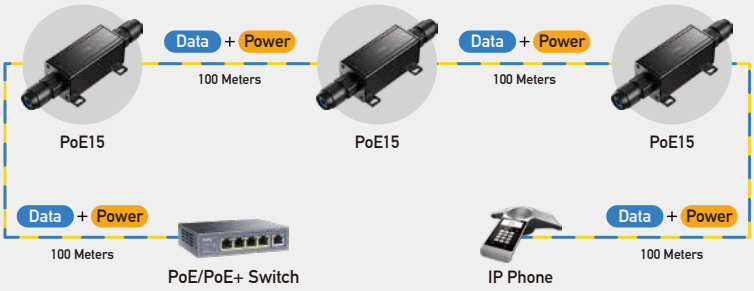
PoE to USB-C Adapter

POE-USBC

Gigabit PoE+ to USB-C Converter

- 1× Gigabit RJ45 Port, PoE In
- 1× USB3.0 Type-C, Power and Data Output
- Input Rating: 48V ⎓ 0.25A
- Output Rating: 5V ⎓ 2A
- 802.3 at/af Standard

Support up to 3 PoE+ Extenders for 400 Meters Distance



Connect up to 400 m in Daisy Chain

Weather-Proof with IP67 and Level 3 EMC

Models	POE10	POE15	POE20	POE25	POE40
PoE IN	1× GbE	1× GbE	1× GbE	1× GbE	1× GbE
PoE Out	1× GbE	1× GbE	2× GbE	2× GbE	4× GbE
Max In Wattage	30 W	30 W	60W	60 W	60 W
Max Out Wattage	25.5 W	25.5 W	2× 25.5W	2× 25.5 W	2× 25.5 W or 4× 15 W
Transmission Distance	Up to 250 m	100 m	Up to 250 m	100 m	Up to 250 m
Daisy Chain	Up to 3				
PoE IN Standards	802.3at/af	802.3at/af	802.3bt/at/af	802.3bt/at/af	802.3bt/at/af
PoE Out Standards	802.3at/af				
Water-proof	-	IP67	-	IP67	-
Wall Mounting	√	√	√	√	√

The Robust Network
for Need of High Reliability

Industrial Routers

Products	Industrial 4G Cat. 4 N150 Wi-Fi Router	Industrial 4G Cat. 4 N300 Wi-Fi Router	Industrial 5G NR AX3000 Wi-Fi Router
Models	IR02	IR04	IR5G
Cellular	4G LTE Cat. 4	4G LTE Cat. 4	5G NR Rel. 15
SIM Slots	2× SIM Slots (Nano SIM-4FF)	2× SIM Slots (Mini SIM-2FF)	2× SIM Slots (Mini SIM-2FF)
Wi-Fi	N150	N300	AX3000
Ethernet	2× 10/100 Mbps Ports	4× 10/100 Mbps Ports	5× Gigabit Ports
USB	-	1× USB (File Sharing / USB-to-Serial)	
IO	1× 7-PIN (RS232, RS485) Configurable for I/O 1 digital Input 1 relay output (NO/C)	1× DB9 (RS232, RS422, RS485) 1× 6-PIN (RS485, RS422) 1× 10-PIN 2 digital inputs (1 dry contact, 1 isolated) 1 open-collector output with external power 1 relay output (NO/C), and 1 analog input (voltage or 4–20 mA current)	
Antennas	2× SMA (Cellular) 1× RP-SMA (Wi-Fi)	2× SMA (Cellular) 2× RP-SMA (Wi-Fi)	4× SMA (Cellular) 3× RP-SMA (Wi-Fi)
Power Interface	2-PIN	1× DC Jack, 1× 4-PIN for Power and Ignition Sensing	
Power Methods	5-36V DC	DC, Passive PoE, or 802.3at/af PoE	DC, Passive PoE
VPN	Zerotier/Wireguard/OpenVPN/IPSec/L2TP/PPTP		
Cloud Protocols	MQTT, HTTP		
Working Modes	Cellular Router, Router (WAN as main, 4G/5G as backup), WISP		
Device Management	TR069/TR098/TR111/TR143/TR181		

Common Features

- IP30, Metal Housing with DIN-Rail Kit
  -40~75°C Working Temperature
- Shielded Ethernet Ports
  ±6kV Surge Resistant
- Polarity Reverse Protection
  Short Circuit Protection
  Broadcast Storm Prevention

Build Up Interconnectivity
for the Industrial World

Models	IF1005	IF1008	IG1005	IG1008	IG1005ES1	IG1008ES2
RJ45 Ports	5× FE	8× FE	5× GbE	8× GbE	5× GbE	8× GbE
SFP/SFP+ Slots	-	-	-	-	1× SFP	2× SFP
Power	Dual 2-PIN DC, Dual Redundancy					
DIP Switches	VLAN On/Off, Extend On/Off, BSP On/Off				Web On/Off, VLAN On/Off, BSP On/Off, Extend On/Off	
L2 Features	-				Easy-Management Features	

Go to page 30 for detailed management features list.

Models	IF1005P	IF1008P	IG1005P	IG1008P	IG1005EPS1	IG1008EPS2
RJ45 Ports	5× FE	8× FE	5× GbE	8× GbE	5× GbE	8× GbE
SFP/SFP+ Slots	-	-	-	-	1× SFP	2× SFP
PoE+ Ports	1-4	1-8	1-5	1-8	1-4	1-8
Power	Dual 2-PIN DC, Dual Redundancy					
DIP Switches	VLAN On/Off, Extend On/Off, BSP On/Off				Web On/Off, VLAN On/Off, BSP On/Off, Watchdog On/Off	
L2 Features	-				Easy-Management Features	

Go to page 32 for detailed management features list.

Common Features

- IP40, Metal Housing with DIN-Rail Kit
  -40~70°C Working Temperature
- Shielded Ethernet Ports
  ±6kV Surge Resistant
- Polarity Reverse Protection
  Short Circuit Protection
  Broadcast Storm Prevention

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
MC100GMA-05	1.25 Gbps SC	10/100/1000 Mbps RJ45	550 m	Multi-Mode	Dual Fibers	850 nm	26 × 70 × 94 mm	5 V /1 A
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		Depending on the installed SFP Modules					
MC10G	SFP+	10G RJ45						
MC220P	SFP	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

MC1402

Media Converter Chassis

2U / 19-inch / 14-Slot

Dual AC Power Supplies / 220 V + 48 V

1.25 Gbps · 2.5 Gbps · 10 Gbps · 25 Gbps · 40 Gbps · 100 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 7, 320 MHz, WPA3, MLO, 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.

Catalogue10