Networking
Product Guide

www.cudy.com

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

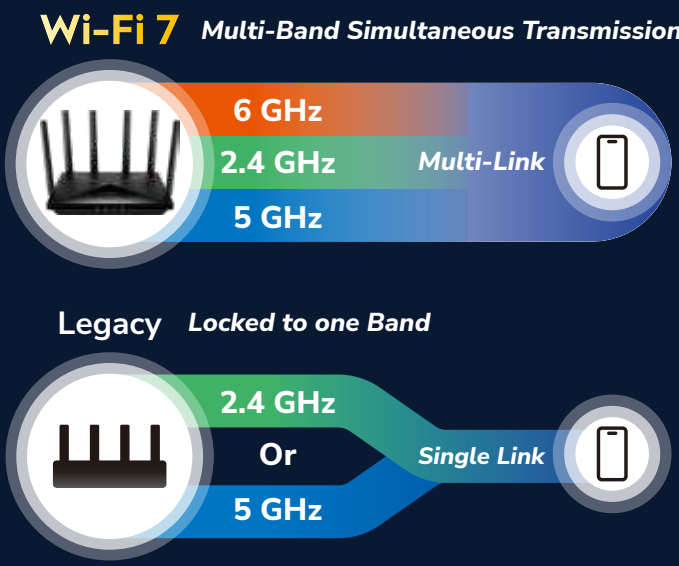
NOA ISO 14001 MANAGEMENT CERTIFICATION

Supercharged Speed. Unrivaled Performance.

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

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

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



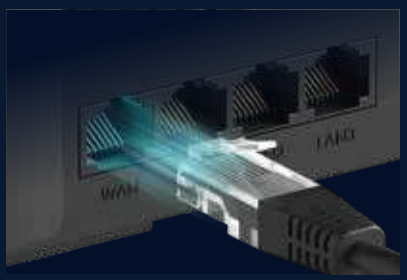
Connect More, Stay Responsive

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

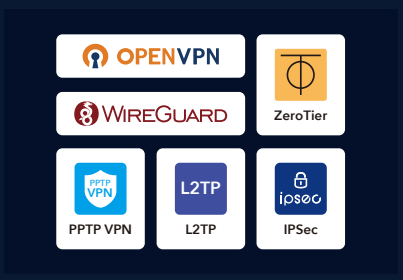
Multi-RU
solves blocked channels

Preamble Puncturing
forms RU into wide channels

1.5 GHz Quad-Core CPU
A poweful Wi-Fi 7 CPU provides phenomenal computing power to keep your network responsive.



Four 2.5G Ports
Enjoy multi-Gig both on wireless and wire. Connect to NAS and Creative PC for boosted productivity.



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

BE11000 2.5G Mesh Wi-Fi 7 Router

WR11000

- Max 5760 + 4320 + 688 Mbps
- High-Power External FEMs
- 1× 2.5G WAN Port, 3× 2.5G LAN Ports
- Power On/Off Button, WPS Button, Reset Button
- MLO, 4K-QAM, 320 MHz
- DL/UL OFDMA, DL/UL MU-MIMO
- WPA3 Wi-Fi Encryption
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

BE6500 2.5G Mesh Wi-Fi 7 Router

WR6500

- Max 5760 + 688 Mbps
- High-Power External FEMs
- 1× 2.5G WAN Port, 4× Gigabit LAN Ports
- Power On/Off Button, WPS Button, Reset Button
- MLO, 4K-QAM, 160 MHz
- DL/UL OFDMA, DL/UL MU-MIMO
- WPA3 Wi-Fi Encryption
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

BE3600 2.5G Mesh Wi-Fi 7 Router

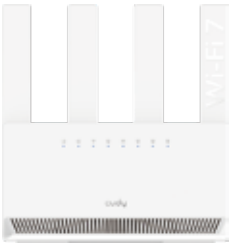
WR3600H

- Max 2880 + 688 Mbps
- External FEMs
- 1× 2.5G WAN Port, 4× Gigabit LAN Ports
- WPS Button, Reset Button
- MLO, 4K-QAM, 160 MHz
- DL/UL OFDMA, DL/UL MU-MIMO
- VPN Server, VPN Client, DNS over TLS
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- DNS over TLS with Cloudflare/Google/Quad9
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

BE3600 Gigabit Mesh Wi-Fi 7 Router

WR3600

- Max 2880 + 688 Mbps
- External FEMs
- 1× Gigabit WAN Port, 4× Gigabit LAN Ports
- WPS Button, Reset Button
- MLO, 4K-QAM, 160 MHz
- DL/UL OFDMA, DL/UL MU-MIMO
- VPN Server, VPN Client, DNS over TLS
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- DNS over TLS with Cloudflare/Google/Quad9
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control



BE3600 Gigabit Mesh Wi-Fi 7 Router

WR3600E

- Max 2880 + 688 Mbps
- External FEMs
- 1× Gigabit WAN Port, 3× Gigabit LAN Ports
- WPS Button, Reset Button
- MLO, 4K-QAM, 160 MHz
- DL/UL OFDMA, DL/UL MU-MIMO
- VPN Server, VPN Client, DNS over TLS
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- DNS over TLS with Cloudflare/Google/Quad9
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

*EasyMesh is optional for service provider orders.

Wi-Fi Routers

AX3000 2.5G Mesh Wi-Fi 6 Router
WR3000H

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

AX3000 2.5G Mesh Wi-Fi 6 PoE Router
WR3000P

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× 2.5G WAN Port (PoE In), 4× Gigabit LAN Ports
- 1× USB 2.0 Port for File Sharing
- WPS Button, Reset Button
- Router/AP/RE/WISP/Cudy Mesh/EasyMesh*
- DC, 802.3at/af, or 48V Passive PoE Powering
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

AX3000 Gigabit Mesh Wi-Fi 6 Router
WR3000S

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

AX3000 2.5G Wi-Fi 6 Mini VPN Router
TR3000

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× 2.5G WAN Port, 1× Gigabit LAN Port
- 1× USB 3.0 Port for File Sharing
- Configurable VPN Toggle, WPS Button, Reset Button
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

AX3000 Gigabit Mesh Wi-Fi 6 Router
WR3000E

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

AX3000 Gigabit Mesh Wi-Fi 6 Router
WR3000

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

*EasyMesh is optional for service provider orders.

AX1800 Gigabit Mesh Wi-Fi 6 Router

X6

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

AX1500 Gigabit Wi-Fi 6 Router

WR1500

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

AC1200 Gigabit Mesh Wi-Fi Router

WR1300S

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× Gigabit WAN Port, 4× Gigabit LAN Ports
- 1× USB 3.0 for File Sharing
- WPS Button, Reset Button
- VPN Server, VPN Client, DNS over TLS
- Router/AP/RE/WISP/Cudy Mesh
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

AC1200 Gigabit Mesh Wi-Fi Router

WR1300

- 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
- Router/AP/RE/WISP/Cudy Mesh
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

AC1200 Gigabit Mesh Wi-Fi Router

WR1300E

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× Gigabit WAN Port, 2× Gigabit LAN Ports
- WPS Button, Reset Button
- VPN Server, VPN Client, DNS over TLS
- Router/AP/RE/WISP/Cudy Mesh
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

AC1200 Wi-Fi Router

WR1200

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

AC1200 Wi-Fi Mini VPN Router

TR1200

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 1× 10/100M WAN Port, 1× 10/100M LAN Port
- 1× USB 2.0 Port for File Sharing
- Configurable VPN Toggle, WPS Button, Reset Button
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App, Cloud Control

AC1200 Wi-Fi Router

WR1200E

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

N300 Wi-Fi Router

WR300

- 300 Mbps (2.4 GHz)
- 1× 10/100M WAN Port, 3× 10/100M LAN Ports
- WPS Button, Reset Button
- VPN Client, DNS over TLS
- Router/AP/RE/WISP/Cudy Mesh
- IPv6/IPv4, IPTV/VLAN, TR069
- Cudy App

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.

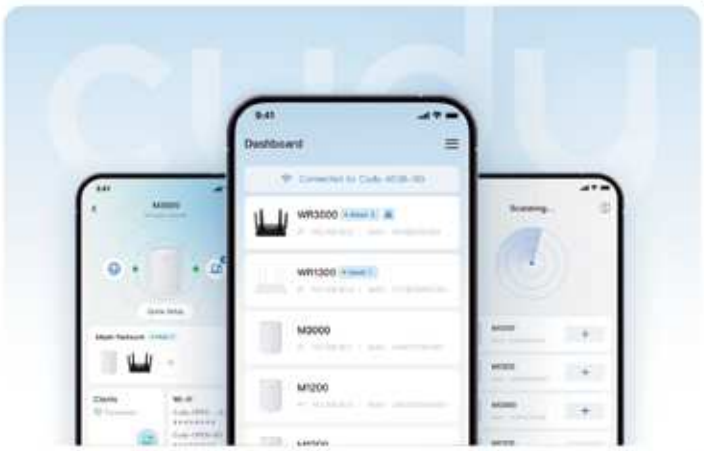
ISP Preset

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

Cudy App

Your Home Network in Your Hands

App Store Google Play



Clients Management

Turn on and off access to the Internet and VPN for certain devices.

Add Devices. Streamlined

Need more Cudy Mesh devices to expand the reach of your network? Click the plus button and follow the guidance on the dashboard.

Tap Steps to Set Things Up

Cudy App allows you to tap through the setup process, easily and intuitively.

Guest Wi-Fi Toggle

Protect your privacy by turning on a separate network for your guests.

Wi-Fi Password Lookup

Forget your password? Tap to have a glance.

Control Anywhere, Anytime via Cloud

*Only available on models with Cudy App feature. Models with only Cudy App Local don't support cloud control.

LED Toggle

Turn off the LED to reduce disturbance at night.

Explore more settings

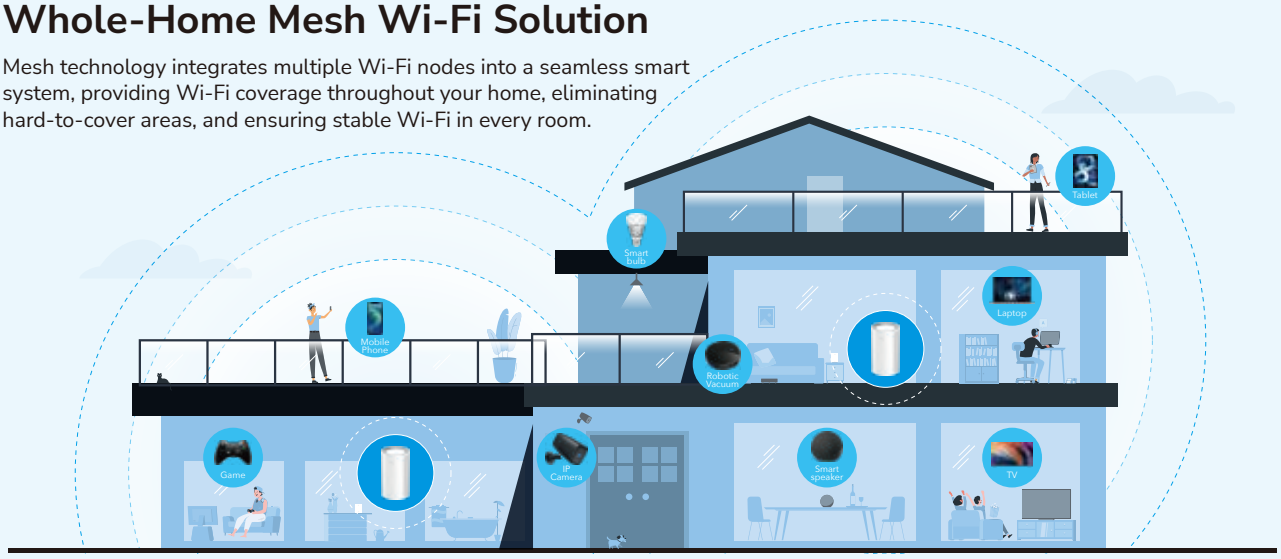
BE11000

2.5G Mesh Wi-Fi 7 System

Model: M11000

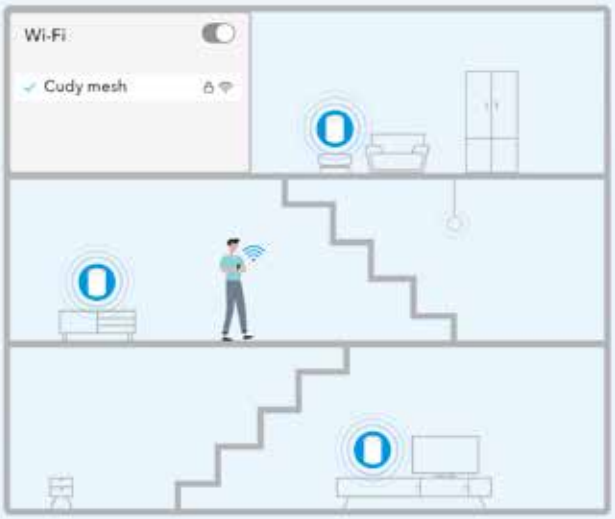
Whole-Home Mesh Wi-Fi Solution

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.

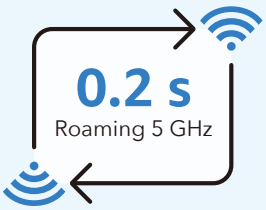


Seamless Wi-Fi throughout Your Home

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.

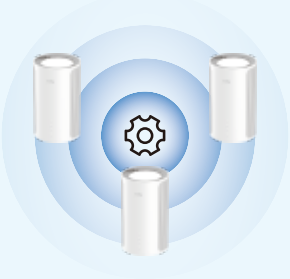


Fast Roaming



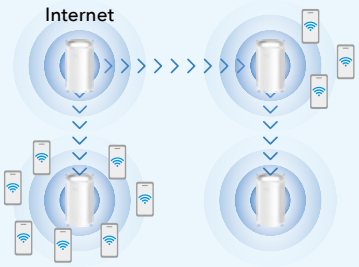
Auto switching between WiFi finishes instantly, ensuring uninterrupted calling and streaming when moving around.

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.

Mesh Systems

BE11000 2.5G Whole-Home Mesh Wi-Fi 7 System

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

Unit Spec

- Tri-Band Wi-Fi 7
- 5760 Mbps (6 GHz) + 4320 Mbps (5 GHz) + 688 Mbps (2.4 GHz)
- High-Power External FEMs
- 4× 2.5 Gbps Ethernet Ports
- Cudy Mesh, EasyMesh (Optional)
- MLO, 4K-QAM, 320 MHz, DL/UL MU-MIMO, DL/UL OFDMA
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, TR069
- Cudy App, Cloud Control

BE3600 Whole-Home Mesh Wi-Fi 7 System

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

Unit Spec

- Dual-Band Wi-Fi 7
- 5760 Mbps (5 GHz) + 688 Mbps (2.4 GHz)
- External FEMs
- 1× 2.5 Gbps Port + 3× Gigabit Ports
- Cudy Mesh, EasyMesh (Optional)
- MLO, 4K-QAM, 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, TR069
- Cudy App, Cloud Control

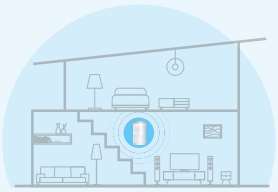
BE3600 Whole-Home Mesh Wi-Fi 7 System

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

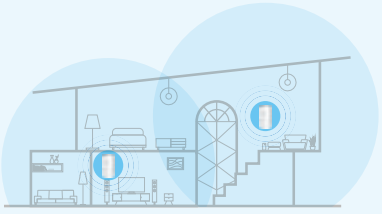
Unit Spec

- Dual-Band Wi-Fi 7
- 2880 Mbps (5 GHz) + 688 Mbps (2.4 GHz)
- External FEMs
- 3× Gigabit Ports
- Cudy Mesh, EasyMesh (Optional)
- MLO, 4K-QAM, 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, TR069
- Cudy App, Cloud Control

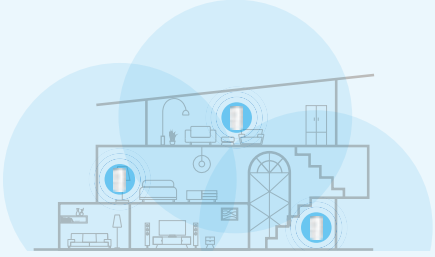
Boosted Whole-Home Coverage



1-Pack for Single-Bedroom Houses



2-Pack for Split-Level Houses



3-Pack for Tri-Level Houses

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

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

Unit Spec

- Wi-Fi 6, 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 5× Internal Antennas
- 1× 2.5 Gbps Port + 1× Gigabit Port
- Cudy Mesh, EasyMesh (Optional)
- 160 MHz, DL/UL MU-MIMO, DL/UL OFDMA
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, TR069
- Cudy App, Cloud Control

AX1800 Whole-Home Mesh Wi-Fi 6 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
- Cudy Mesh
- MU-MIMO, OFDMA
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, TR069
- Cudy App, Cloud Control

AC1200 Gigabit Whole-Home Mesh Wi-Fi 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
- Cudy Mesh
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, TR069
- Cudy App, Cloud Control

AC1200 Whole-Home Mesh Wi-Fi System

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

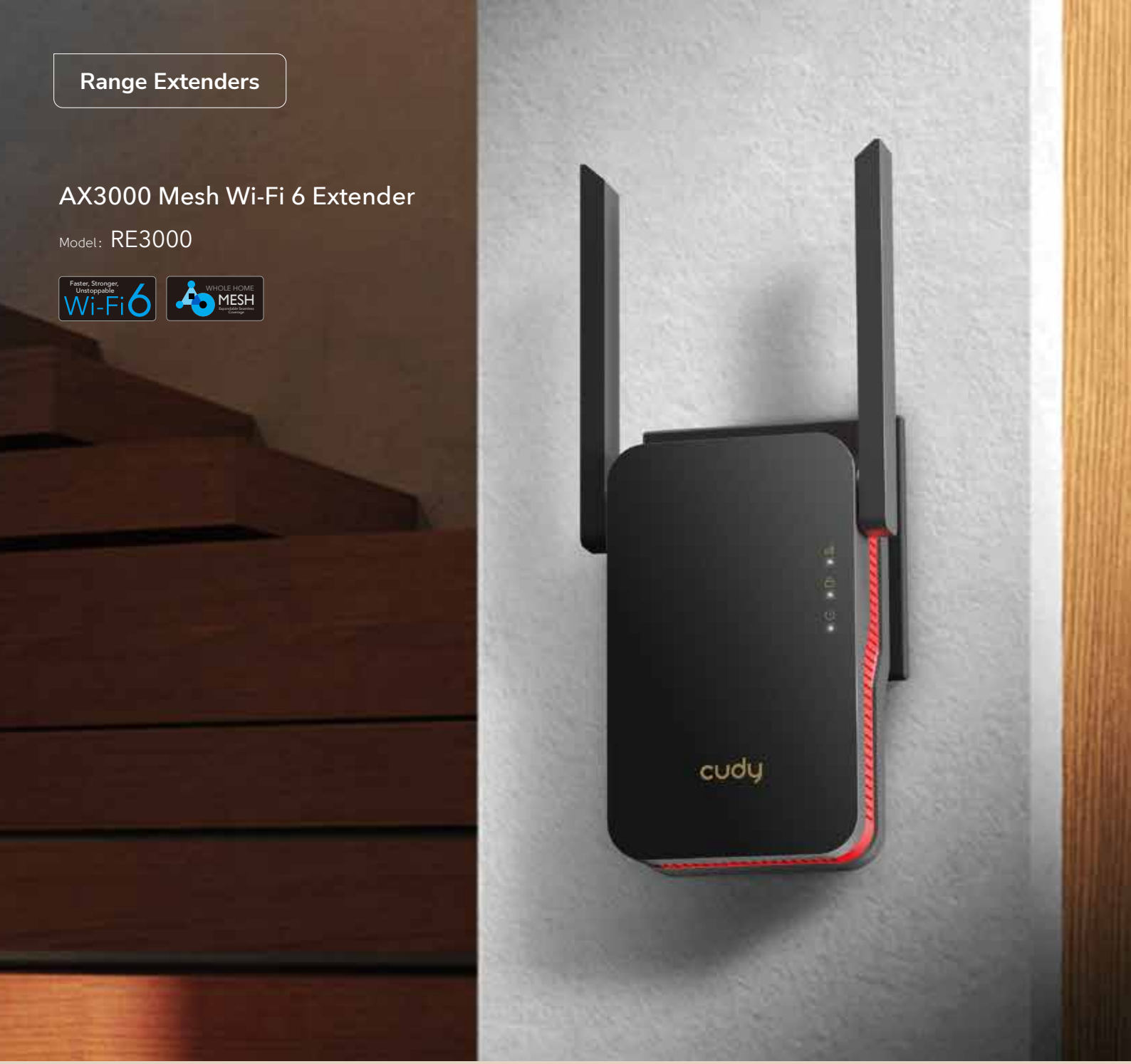
Unit Spec

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 2× Internal Antennas
- 2× 10/100 Mbps Ports
- Cudy Mesh
- VPN Server, VPN Client, DNS over TLS
- IPv6/IPv4, TR069
- Cudy App, Cloud Control

Range Extenders

AX3000 Mesh Wi-Fi 6 Extender

Model: RE3000



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.

BE3600 Mesh Wi-Fi 7 Extender

RE3600

- 2880 Mbps (5 GHz) + 688 Mbps (2.4 GHz)
- MRU, DL/UL MU-MIMO, DL/UL OFDMA
- 1× Gigabit Port
- 1× WPS Button + 1× Reset Button
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App (Local Management)

AX3000 Mesh Wi-Fi 6 Extender

RE3000

- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- DL/UL MU-MIMO, DL/UL OFDMA
- 1× Gigabit Port
- 1× WPS Button + 1× Reset Button
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App (Local Management)

AX1800 Mesh Wi-Fi 6 Extender

RE1800

- 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- DL MU-MIMO, DL OFDMA
- 1× Gigabit Port
- 1× WPS Button + 1× Reset Button
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App (Local Management)

AX1500 Mesh Wi-Fi 6 Extender

RE1500

- 1201 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- DL MU-MIMO, DL OFDMA
- 1× Gigabit Port
- 1× WPS Button + 1× Reset Button
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App (Local Management)

AC1200 Mesh Wi-Fi Extender

RE1200

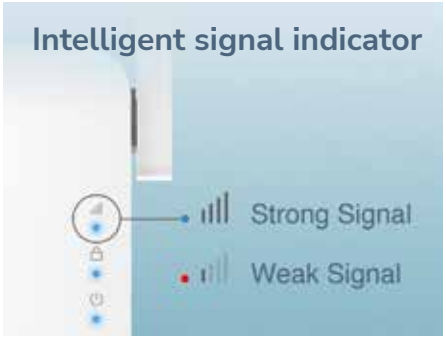
- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- MU-MIMO
- 1× 10/100 Mbps Port
- 1× WPS Button + 1× Reset Button
- 3-IN-1 RE/AP/Mesh Satellite
- Cudy App (Local Management)

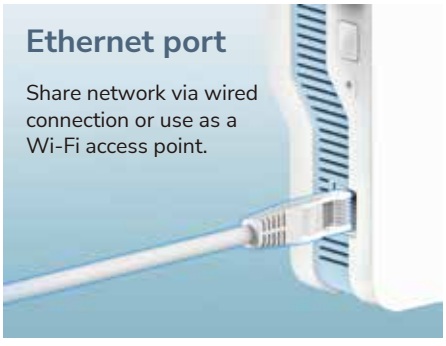
AC1200 Outdoor Mesh Wi-Fi Extender

RE1200 Outdoor

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

Highlight Features





Cat.12

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

Model: LT15E

Stay Connected Anywhere

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

4G 5G Evolution at a Glance

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

Cellular		**4G**	**4G+ / LTE Advanced**			**5G NR**
Cat./Rel.		Cat. 4	Cat. 6	Cat. 12	Cat. 18	Rel. 16
Modulation		Max 64-QAM		Max 256-QAM		
Key Technologies		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**	LT300, LT400, LT500, LT500E	LT700, LT700E	LT12, LT1E	LT18	P4, P5
	Voice	LT400V	LT700V	LT15V		
	Outdoor	LT400 Outdoor, LT500 Outdoor	LT700 Outdoor			
	Industrial	IR04	IR06	IR12		IR5G

5G SA/NSA AX3000 Wi-Fi 6 Router

P5

- 5G Rel. 16, Max 3.4 Gbps Cellular DL
- 4×4 MIMO, DL 4-Carrier Aggregation
- AX3000 Wi-Fi 6, MU-MIMO, OFDMA
- 4× Gigabit Ports + 2× Nano SIM Slots
- 4× SMA Interfaces (Cellular)
- Dual SIM Redundancy, WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069

5G SA/NSA AX3000 Wi-Fi 6 Router

P4

- 5G Rel. 16, Max 3.4 Gbps Cellular DL
- 4×4 MIMO, DL 4-Carrier Aggregation
- AX3000 Wi-Fi 6, MU-MIMO, OFDMA
- 2× Gigabit Ports + 1× Nano SIM Slot
- 2× SMA Interfaces (Cellular)
- WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069

5G SA/NSA AX3000 Wi-Fi 6 Router

P2

- 5G Rel. 15, Max 2.6 Gbps Cellular DL
- 4×4 MIMO, DL 3-Carrier Aggregation
- AX3000 Wi-Fi 6, MU-MIMO, OFDMA
- 2× Gigabit Ports + 1× Nano SIM Slot
- 1× VoNR/VoLTE RJ11 (Optional)
- 2× SMA Interfaces (Cellular)
- WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069

4G Cat 18 AX1800 Wi-Fi 6 Router

LT18

- 4G Cat. 18, Max 1.2 Gbps Cellular DL
- 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
- IPv6/IPv4, TR069/TR181

4G Cat 12 AX3000 Wi-Fi Router (with Voice)

LT15E (LT15V)

- 4G Cat. 18, Max 600 Mbps Cellular DL
- 4×4 MIMO, DL 3-Carrier Aggregation
- AX3000 Wi-Fi 6, MU-MIMO, OFDMA
- 4× GbE + 1× Nano SIM Slot (+ 1× RJ11)
- 2× SMA Interfaces (Cellular)
- 2× Detachable + 4× Internal Cellular Antennas
- WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069/TR181

4G Cat 12 AC1200 Wi-Fi Router

LT12

- 4G Cat. 12, Max 600 Mbps Cellular DL
- 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
- IPv6/IPv4, TR069/TR181

4G Cat 6 AC1200 Wi-Fi Router

LT700

- 4G Cat. 6, Max 300 Mbps Cellular DL
- 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
- IPv6/IPv4, TR069/TR181

4G Cat 6 AC1200 Wi-Fi Router (with Voice)

LT700E (LT700V)

- 4G Cat. 6, Max 300 Mbps Cellular DL
- 4×4 MIMO (Optional)
- DL 2-Carrier Aggregation
- AC1200 Wi-Fi
- 4× GbE + 1× Nano SIM Slot (+ 1× RJ11)
- 2× 4G Antennas, 2× Wi-Fi Antennas
- WAN/Cellular Failover
- Mesh, VPN Server, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069/TR181

4G LTE Cat 4 AC1200 Wi-Fi Router

LT500

- Max 150 Mbps Cellular DL
- 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
- IPv6/IPv4, TR069/TR181

4G LTE Cat 4 AC1200 Wi-Fi Router

LT500E

- Max 150 Mbps Cellular DL
- AC1200 Wi-Fi
- 4× 10/100 Mbps Ports + 1× Nano SIM Slot
- WAN/Cellular Failover
- 2× 4G Antennas, 2× Wi-Fi Antennas
- Mesh, VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069/TR181

4G LTE Cat 4 N300 Router

LT400

- Max 150 Mbps Cellular DL
- N300 Wi-Fi
- 4× 10/100 Mbps Ports + 1× Nano SIM Slot
- WAN/Cellular Failover
- VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069/TR181

4G LTE Cat 4 N300 Router (with Voice / Detachable Antennas)

LT400E (LT400V/LT400D)

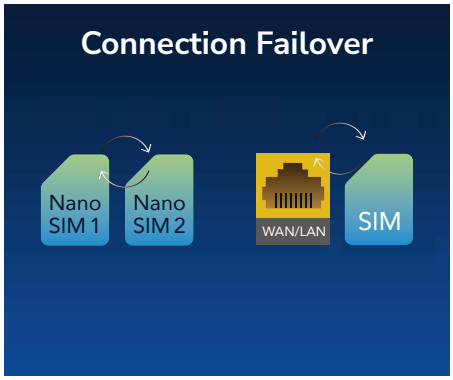
- Max 150 Mbps Cellular DL
- N300 Wi-Fi
- 4× FE + 1× Nano SIM Slot (+ 1× RJ11)
- WAN/Cellular Failover
- VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069/TR181

4G LTE Cat 4 N300 Router

LT300

- Max 150 Mbps Cellular DL
- N300 Wi-Fi
- 2× 10/100 Mbps Ports + 1× Nano SIM Slot
- WAN/Cellular Failover
- VPN Client, DNS over TLS
- Band Lock, TTL Settings
- IPv6/IPv4, TR069

Features for Personalized Optimization



WAN Failover / Dual SIM Failover

SMA Interface (Cellular)

Band Lock/TTL Settings

Keeps Connected in Challenging Environments

Lightning-Protection Test

6 KV

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

Water-Proof Test

IP65

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

Harsh Environment Test

-40°C / 70°C

Keeps a consistent network service regardless of heat and cold.

4G LTE Outdoor Wi-Fi Routers

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

Industrial Cellular Routers

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	3× SMA (Cellular and GNSS), 2× RP-SMA (Wi-Fi)		5× SMA (Cellular and GNSS), 2× RP-SMA (Wi-Fi)	
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 Gateways and Routers

ISP Functions:
OMCI, CWMP, IPTV/VLAN

AX3000 Wireless Dual Band Gigabit xPON Router (with VoIP/CATV)

GP3000 (GP3000V/GP3000C)

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× RJ11 FXS Port (GP3000V Only)
- 1× CATV Port (GP3000C Only)

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

AC1200 Wireless Dual Band Gigabit xPON Router (with VoIP/CATV)

GP1200 (GP1200V/GP1200C)

Wi-Fi
- AC1200 Wi-Fi
- MU-MIMO

Interfaces
- 1× SC/APC Port (GPON/EPON)
- 4× Gigabit Ethernet Ports
- 1× USB 2.0 (Optional)
- 1× RJ11 FXS Port (GP1200V Only)
- 1× COAX CATV Port (GP1200C Only)

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

2-Port 2.5 Gbps xPON Terminal

GP25

Interfaces
- 1× SC/APC Port (GPON/EPON)
- 1× 2.5GbE, 1× GbE

Buttons
- Reset Button

1-Port Gigabit xPON Terminal

GP10

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

Buttons
- Reset Button

Dual 4K 10 Gbps
USB-C Dock

DUAL 4K

Dual 4K
2 HDMI and 2 DP

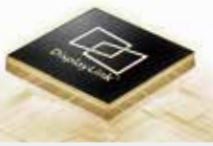
10 Gbps
Data Transfer

Gigabit Network

Audio and Mic

Slim. Unibody.

DisplayLink Chip



Dual 4K for Windows Mac Ubuntu Chromebook

Dual 4K 60 Hz Extend Mode

Dual 4K 60 Hz
Mirror Mode

Single 4K 60 Hz
Mirror / Extend Mode

Docks and Hubs



Products	13-In-1 10Gbps USB-C Dual 4K Docking Station 150 W PSU	13-In-1 10Gbps USB-C Dual 2K Docking Station 150 W PSU	13-In-1 5Gbps USB-C Dual 2K Docking Station 48 W PSU
Models	CS700	CS600	CS500
Video Output	2× Display 1.2a 2× HDMI 2.0	2× Display 1.2a 2× HDMI 1.4	2× Display 1.2a 2× HDMI 1.4
Max Resolutions	2× 4K (4096×2160) 60 Hz	2× 2K (2560×1600) 60 Hz	2× 2K (2560×1600) 60 Hz
Upstream USB	10 Gbps USB-C 100W PD	10 Gbps USB-C 100W PD	5 Gbps USB-C
USB	2× 10 Gbps USB-C (14 W) 4× 10 Gbps USB-A (5 W)	2× 10 Gbps USB-C (14 W) 4× 10 Gbps USB-A (5 W)	2× 5 Gbps USB-C (14 W) 4× 5 Gbps USB-A (10 W)
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

4K 5 Gbps USB-C Hub

UH500

- 1× HDMI 1.4 Port, Max Output 4K 30Hz
- 1× 5 Gbps Upstream USB-C, Max 90W
- 4× 5 Gbps USB-A Ports
- 1× USB-C Port, Accepts 100W PD
- 48 g (1.69 oz.)
- 113.1×44.2×15.7 mm (4.45×1.74×0.62")
- Works with PC/Mac/iPad/iPhone/Android

USB Ethernet Adapters

USB-C to Gigabit Ethernet Adapter

UE10C

- 10/100/1000 Mbps RJ45 Port
- Requires a USB-C 3.0 or higher port
- Works with Windows / Nintendo Switch / Mac / iPad / Android / Linux

USB-A to Gigabit Ethernet Adapter

UE10A

- 10/100/1000 Mbps RJ45 Port
- Requires a USB-A 3.0 or higher port
- Works with Windows / Nintendo Switch / Mac / iPad / Android / Linux

USB-C to 2.5 Gbps Ethernet Adapter

UE25C

- 2.5 Gbps RJ45 Port
- Requires a USB-C 3.0 or higher port
- Works with Windows / Mac / Linux

USB-A to 2.5 Gbps Ethernet Adapter

UE25A

- 2.5 Gbps RJ45 Port
- Requires a USB-A 3.0 or higher port
- Works with Windows / Mac / Linux

BE6500 Wi-Fi 7 High-Gain USB Adapter

WU6500

- Up to 2880 Mbps at 6 GHz
- Up to 2880 Mbps at 5 GHz
- Up to 688 Mbps at 2.4 GHz
- Requires USB 3.0 Port for Full Speed
- Windows 11 / Linux

AX5400 Wi-Fi 6E High-Gain USB Adapter

WU5400

- 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 7 to 11 / Linux

AC1300 Wi-Fi High Gain USB Adapter

WU1400

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

AC1300 Wi-Fi USB 3.0 Adapter

WU1300S

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

AC650 Wi-Fi Nano USB Adapter

WU650

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

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

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

BE9300 Wi-Fi 7 Bluetooth 5.4 PCI-E Adapter
WE9300

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

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

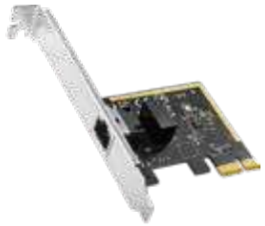
- Intel AX210 Module
- Up to 2402 Mbps on 5/6 GHz
- Up to 574 Mbps on 2.4 GHz
- 2× 5 dBi High-Gain Antennas
- Bluetooth 5.3 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included
- Improved Dissipation with Heatsink
- Magnet Antennas Base

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

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

AX5400 Wi-Fi 6E Bluetooth 5.3 PCI-E Adapter
WE3000 ver. 2.0

- 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 5.3 (Requires a USB Motherboard Connector)
- Windows 10/11 (64-bit)
- Standard/Low Profile Brackets Included



Gigabit PCI-E Ethernet Adapter
PE10

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

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 Server 2012 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 Server 2012 to 2022 / Linux / Synology DSM

Dual-Port 10Gbps PCI-E Ethernet Adapter
PE10GT2

- 2× 10 Gbps RJ45 Ports
- Wake-On-LAN
- Flow Control
- Standard/Low Profile Brackets Included
- Windows 7 to 11 / Windows Server 2012 to 2022 / Linux / Synology DSM

Chargers

20W USB-C Charger
CH20

- GaN, QC+PD 3.0
- Charges iPhones, iPads, Airpods, and Apple Watch
- 3× faster charging speed compared to an 5W charger
- Complies with the latest IEC 62368-1 safety standards

30W USB-C Charger
CH30

- GaN, QC+PD 3.0
- Charges phones, wearables, and tablets
- 4× faster charging speed compared to an 5W charger
- Complies with the latest IEC 62368-1 safety standards

65W USB-C Charger
CH65

- GaN, QC+PD 3.0
- Charges phones, tablets, wearables, and laptops
- 65W super-fast charging for most mainstream mobile devices.
- Complies with the latest IEC 62368-1 safety standards

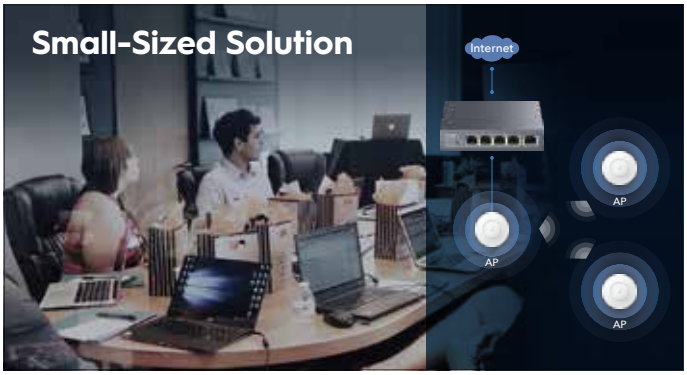
Create Faster and Broader Business Wi-Fi

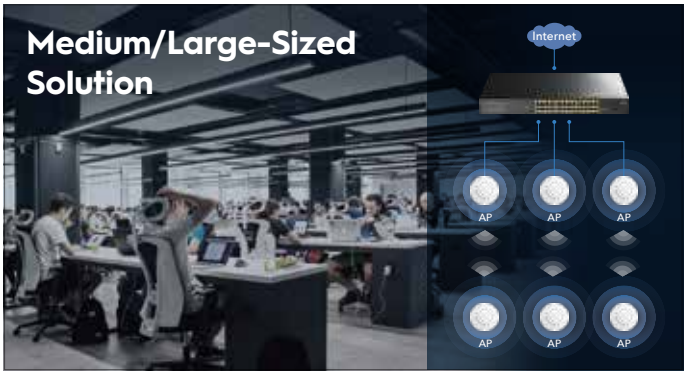
Wi-Fi 7
Enables multi-link operation to achieve unprecedented speed.

10 Gbps SFP+
Unleashes the full wireless speed to enable faster transmission for more devices.

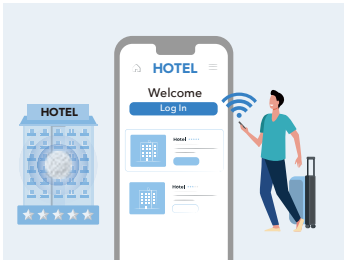
Fast Roaming
Provides uninterpreted WiFi connection for customers even when they are moving around.

Wi-Fi Coverage Everywhere, No Matter Small or Large

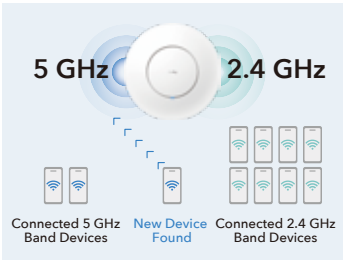




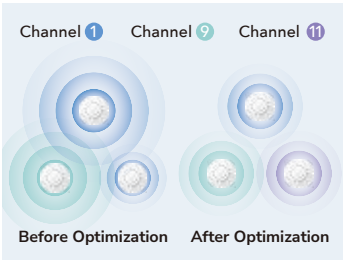
A Smart Business Wi-Fi for Customers Satisfaction



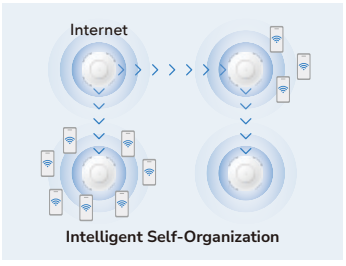
Captive Portal
Improve your brand awareness by displaying a customized login page for new clients.



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.

Ceiling-Mount AP

Products	BE11000 10G Wi-Fi 7 AP	BE3600 2.5G Wi-Fi AP	AX3000 2.5G Wi-Fi 6 AP	AC1200 Gigabit Wi-Fi AP	AC1200 Wi-Fi AP
Models	AP11000	AP3600	AP3000	AP1300	AP1200
Wi-Fi	BE11000 Wi-Fi 7	BE3600 Wi-Fi 7	AX3000 Wi-Fi 6	AC1200	AC1200
Antennas	6×	4×	5×	4×	4×
Interfaces	1× 10G SFP+ 1× 2.5GbE PoE-In 1× DC Jack	1× 2.5GbE PoE-In 1× DC Jack	1× 2.5GbE PoE-In 1× DC Jack	1× GbE PoE-In 1× DC Jack	1× FE PoE-In 1× DC Jack
Power	802.3at Passive PoE DC	802.3at/af Passive PoE DC	802.3at/af Passive PoE (48-57V) DC (12-48V)	802.3at/af Passive PoE DC	802.3at/af Passive PoE DC
Buttons	1× Reset				
Dimensions	Ø231.9 ×57.1 mm				
Advanced	MLO, MRU, OFDMA, MU-MIMO, Mesh		OFDMA, MU-MIMO, Mesh	MU-MIMO, Mesh	
Reliability	Watchdog , Schedule Reboot				

Wall Plate AP

Products	AX3000 Wall Plate Wi-Fi 6 AP	AX3000 Wall Plate Wi-Fi 6 AP	AC1200 Wall Plate Wi-Fi AP	AC1200 Wall Plate Wi-Fi AP
Models	AP3000 Wall	AP3000E Wall	AP1300 Wall	AP1300E Wall
Wi-Fi	AX3000 Wi-Fi 6	AX3000 Wi-Fi 6	AC1200	AC1200
Antennas	5×	3×	4×	4×
Interfaces	1× GbE PoE-In 1× GbE LAN PoE-Out 3× GbE LAN	1× GbE PoE-In 1× GbE LAN	1× GbE PoE-In 1× GbE LAN PoE-Out 3× GbE LAN	1× GbE PoE-In 1× GbE LAN
Power	802.3at 802.3af (No PoE-Out)	802.3at/af	802.3at 802.3af (No PoE-Out)	802.3at/af
Buttons	1× Reset, 1× LED On/Off			
Advanced	OFDMA, MU-MIMO, Mesh		MU-MIMO, Mesh	
Reliability	Watchdog, Schedule Reboot			
Installation	86mm/EU/US Electrical Box			

Desktop AP

AX3000 Desktop Wireless Access Point
AP3000D

- AX3000 Dual-Band Wi-Fi 6
- 1× Gigbait Ethernet Port (PoE In)
- 802.3at/af, Passive PoE, DC
- AP/RE/WISP/Client/Mesh Satellite

AC1200 Desktop Wireless Access Point
AP1300D

- AC1200 Dual-Band Wi-Fi
- 1× Gigabit Ethernet Port (PoE In)
- 802.3at/af, Passive PoE, DC
- AP/RE/WISP/Client/Cudy Mesh Satellite

Outdoor AP

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

Access Point Controllers

Gigabit Access Point Controller

C100

1× GbE WAN, 3× GbE WAN/LAN,
1× GbE LAN

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

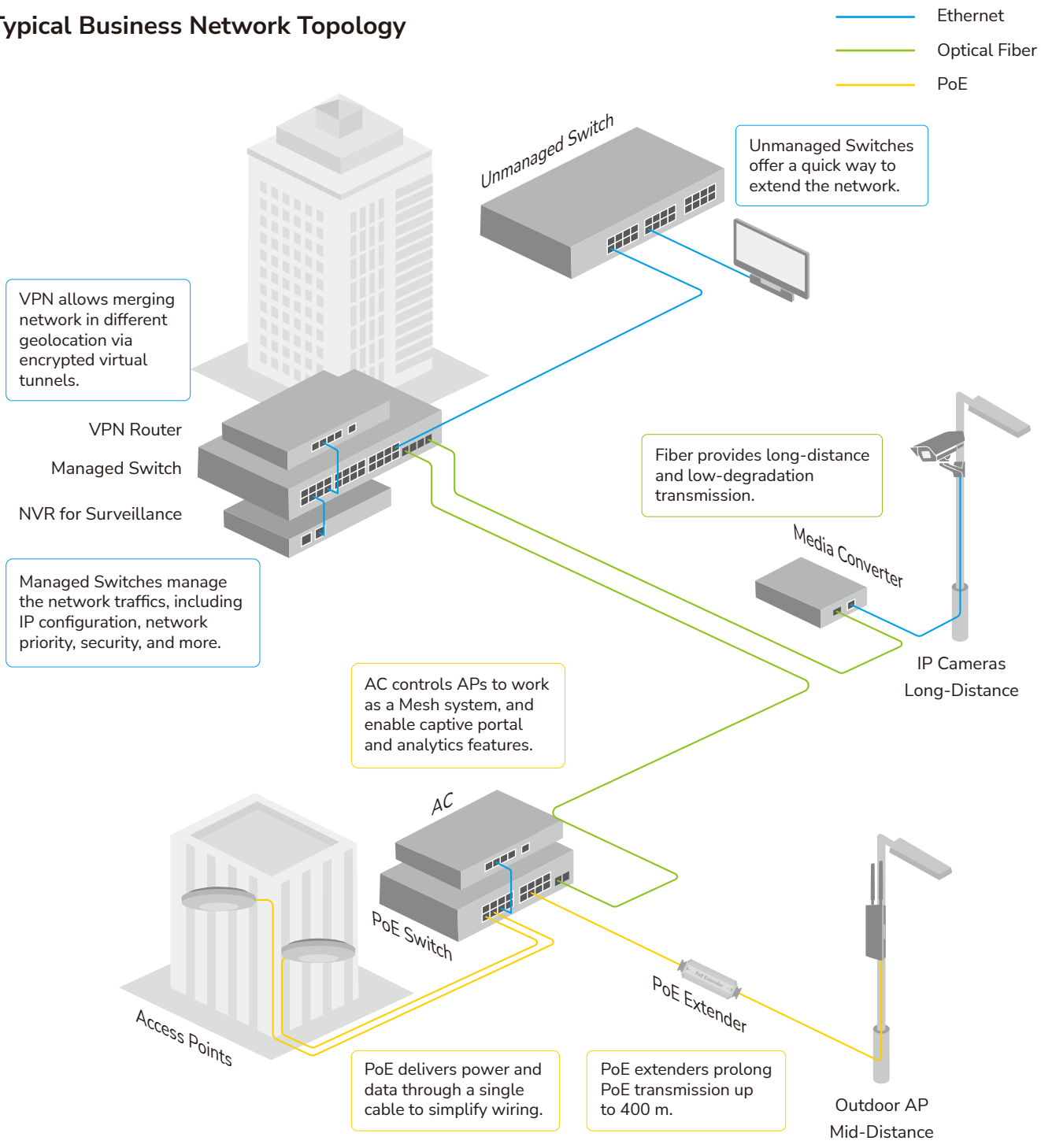
C200P

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

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



VPN Routers

Gigabit Multi-WAN VPN Router

R700

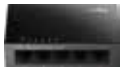
- Ports: 1× Gigabit RJ45 WAN Port, 3× Gigabit RJ45 WAN/LAN Ports, 1× Gigabit RJ45 LAN Port
- PPTP/L2TP/IPSec/WireGuard/OpenVPN/Zerotier, DNS Over TLS with CloudFlare/Google
- Supports 20 IPsec VPN Tunnels, 16 PPTP/L2TP VPN Tunnels, 16 OpenVPN Tunnels, 16000 Concurrent Sessions
- Load Balance, Link Backup, Static Routing, Multi-WAN, Captive Portal

Looking for PoE VPN AP Controller/Router? Please go to P27.

Network Switches

10/100 Mbps

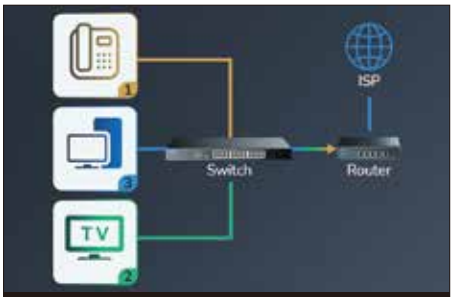
Models	FS105D	FS105	FS108D	FS108	FS1016	FS1024
Casing	Plastic	Metal	Plastic	Metal	Metal	Metal
10/100 Mbps Ports	5		8		16	24
MAC Address Table	512		512		8192	8192
Forwading Rate	0.74 Mpps		1.19 Mpps		2.368 Mpps	3.57 Mpps
Power	5V / 0.55A		5V / 0.55A		AC	AC
Power Saving	√		√		√	√
Max Consumption	0.9W		1W		1.6W	2.1W
Idle Consumption	0.35W		0.35W		0.6W	0.9W
Installation	Desktop, Wall-Mount				Desktop, Rack-Mount	Desktop, Rack-Mount
Dimensions (mm)	88×52.5×24	86.5×53×23	138×61.5×24	138×78×25	200×118×44	270×182×44


Models	GS105D	GS105	GS105U	GS108D	GS108
Casing	Plastic	Metal	Metal	Plastic	Metal
Gigabit Ports	5			8	
Max Distance	140 meters at Gigabit			170 meters at Gigabit	
Packet Buffer	3 Mbit			4 Mbit	
Switching Capacity	10 Gbps			16 Gbps	
MAC Address Table	2K			8K	
Forwading Rate	7.4 Mpps			11.9 Mpps	
Stability	Flow Control			Flow Control, Loop Prevention, IGMP Snooping	
Power	External DC 5V / 0.55A		USB-C	External DC 5V / 0.55A	
Power Saving	√			√	
Max Consumption	2W			2.75W	
Idle Consumption	1.4W			2.2W	
Installation	Desktop, Wall-Mount			Desktop, Wall-Mount	
Dimensions (mm)	88×52.5×24	86.5×53×23	88×52.5×24	138×61.5×24	138×78×25

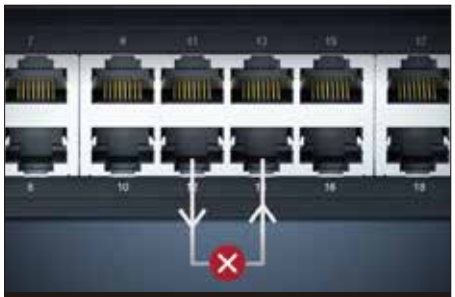



Models	GS1016	GS1024	GS1024L	HS105
Gigabit Ports	16	24	24	-
2.5G Ports	-	-	-	5
Max Distance	100 meters at Gigabit 250 meters at 10 Mbps (Extend Mode)			50 meters at 2.5 Gbps (with Cat 5e) 100 meters at 2.5 Gbps (with Cat 6)
Switching Capacity	32 Gbps	48 Gbps	48 Gbps	25 Gbps
MAC Address Table	8K	8K	8K	8K
Forwading Rate	23.8 Mpps	35.7 Mpps	35.7 Mpps	18.6 Mpps
DIP Switch	VLAN/Default/Extend	VLAN/Default/Extend	VLAN/Default/Extend	-
VLAN Ports	1-14	1-22	1-22	-
Extend Ports	1-14	1-22	1-22	-
Power	Internal AC 100-240V	Internal AC 100-240V	Internal AC 100-240V	12V 1A DC
Power Saving	10.1W	16.5W	16.5W	10.5W
Installation	Desktop, Rack-Mount	Desktop, Rack-Mount	Desktop, Rack-Mount	Desktop, Wall-Mount
Dimensions (mm)	200×118×44 mm	270×182×44 mm	487×267×84 mm	119×85×28 mm



DSCP/802.1p QoS

Identifies the packets with DSCP headers and forward those with higher priority first.



IGMP Snooping

Identifies the multicast groups connected to the switch and sends data to the exact ports instead of broadcasting them.

Loop Prevention

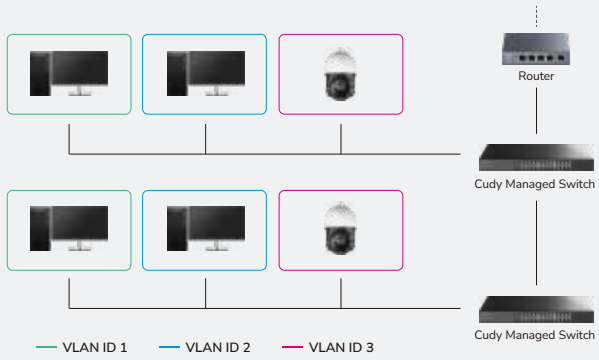
Blocks the ports automatically when it detects a loop in the network, preventing downtime caused by misoperation.

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





Models	GS108E	GS1016E	GS1024E
Gigabit Ports	5	16	24
VLAN	MTU VLAN, Port-Based VLAN, 802.1Q VLAN, Voice VLAN		
QoS	DSCP QoS, 802.1p QoS, Port-Based QoS		
Ports Management	Port On/Off, Port Negotiation Speed, Port Trunk (Static Aggregation), Port Mirror, Data Rate Limit, Jumbo Frame, Storm Control, Traffic Monitor, MAC Address Management		
Protocol Management	SNMP, IGMP Snooping, DHCP Snooping, Loop Prevention, STP, LLDP		
Preset Modes	-	Managed, VLAN, Extend	
Installation	Desktop, Wallmount	Desktop, Rackmount	
Dimensions (mm)	138×78×25	200×118×44	270×182×44

8-Port Gigabit L2 Managed Switch with 2 SFP Slots

GS2008S2

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

24-Port L2 Managed Gigabit Switch with 4 SFP Slots

GS2024S2

- 24× GbE Ports
- 4× 1.25G 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 SFP Slots
- 1× RJ45 and 1× USB Console Port
- 128 Gbps Backplane Bandwidth
- L2+L3 Management Functions
- 440×205×44 mm
- 1U Rackmount

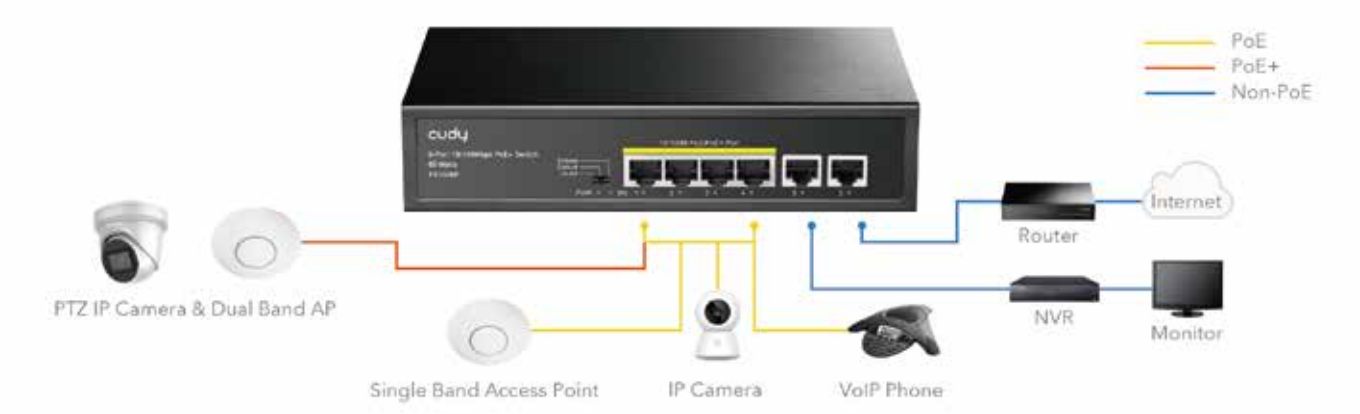
48-Port Layer 3 Managed Gigabit Switch with 4 10G SFP Slots

GS5048S4

- 48× GbE Ports
- 4× 10G SFP Slots
- 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, OSPF, and VRRP
- IPv4/IPv6 Address Configuration, ARP Configuration, and ND Configuration
- L2 (MAC), L3 (IP), and L4 (TCP/UDP Port) Packet Filtering



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

10/100 Mbps PoE

Models	FS1005P	FS1006P	FS1010P	FS1010PG	FS1018PS1	FS1026PS1
PoE Ports	4FE	4FE	8FE	8FE	16FE	24FE
Uplink Ports	2FE	2FE	2FE	2GbE	2GbE + 1SFP	2GbE + 1SFP
Power Supply (W)	65	65	120	120	200	300
Max Output per PoE (W)	30	30	30	30	30	30
PoE Standards	802.3at/af Alternative A					
MAC Address Table	2K	2K	2K	2K	2K	2K
Forwarding Rate	0.744 Mpps	0.9 Mpps	1.48 Mpps	4.166 Mpps	6.844 Mpps	8 Mpps
PoE Watchdog	√*	√*	√*	√*	√*	√*
DIP Switch	VLAN/Default/Extend Mode					
Extend Mode Port	All PoE Ports	All PoE Ports	All PoE Ports	All PoE Ports	All PoE Ports	Port 9-24
Power Input	53V DC	Internal AC 100–240 V				
Max Heat Output (BTU/h)	221.65	221.65	409.2	409.2	682	1023
Dimension (mm)	119×85×28	200×120×45	200×120×45	200×120×45	320×210×46	320×210×46
Installation	Desktop, Wall-mount				Desktop, Rack-mount	

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

Gigabit PoE




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

Gigabit PoE



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

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

Gigabit PoE




Models	GS1020PS2	GS1018PS2	GS1026PS2	GS1028PS2
PoE Ports	16GbE	16GbE	24GbE	24GbE
Uplink Ports	2SFP	2GbE+2SFP	2GbE+2SFP	2SFP
Power Supply (W)	200	200	300	300
Max Output per PoE (W)	30	30	30	30
PoE Standards	802.3at/af	802.3at/af	802.3at/af	802.3at/af
MAC Address Table	8K	8K	8K	8K
Forwarding Rate	26.78 Mpps	29.76 Mpps	41.644 Mpps	38.68 Mpps
PoE Watchdog	-	√*	√*	-
PoE Usage LED	√	√	√	√
DIP Switch	VLAN/Default/Extend	Default/Extend	Default/Extend	VLAN/Default/Extend
Extend Port	Port 9-16	Port 9-16	Port 17-24	Port 17-24
Power Input	Internal AC 100–240 V	Internal AC100-240 V	Internal AC100-240 V	Internal AC 100–240 V
Max Heat Output (BTU/h)	682	682	1023	1023
Dimension (mm)	440×204×44	320×207×44	320×207×44	320×205×44
Installation	Desktop, Rack-mount	Desktop, Rack-mount	Desktop, Rack-mount	

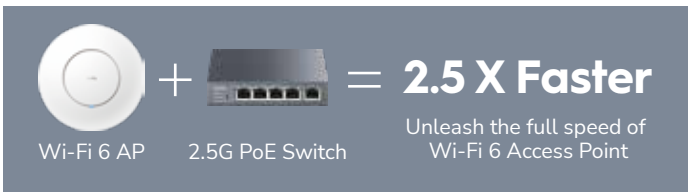
*PoE watchdog is enabled on all PoE ports under VLAN or Extend Mode

2.5G PoE

5-Port 2.5G PoE+ Switch

HS105P

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



Looking for PoE Access Point Controllers? Check C200P on page 26.

L2 Managed PoE Switches

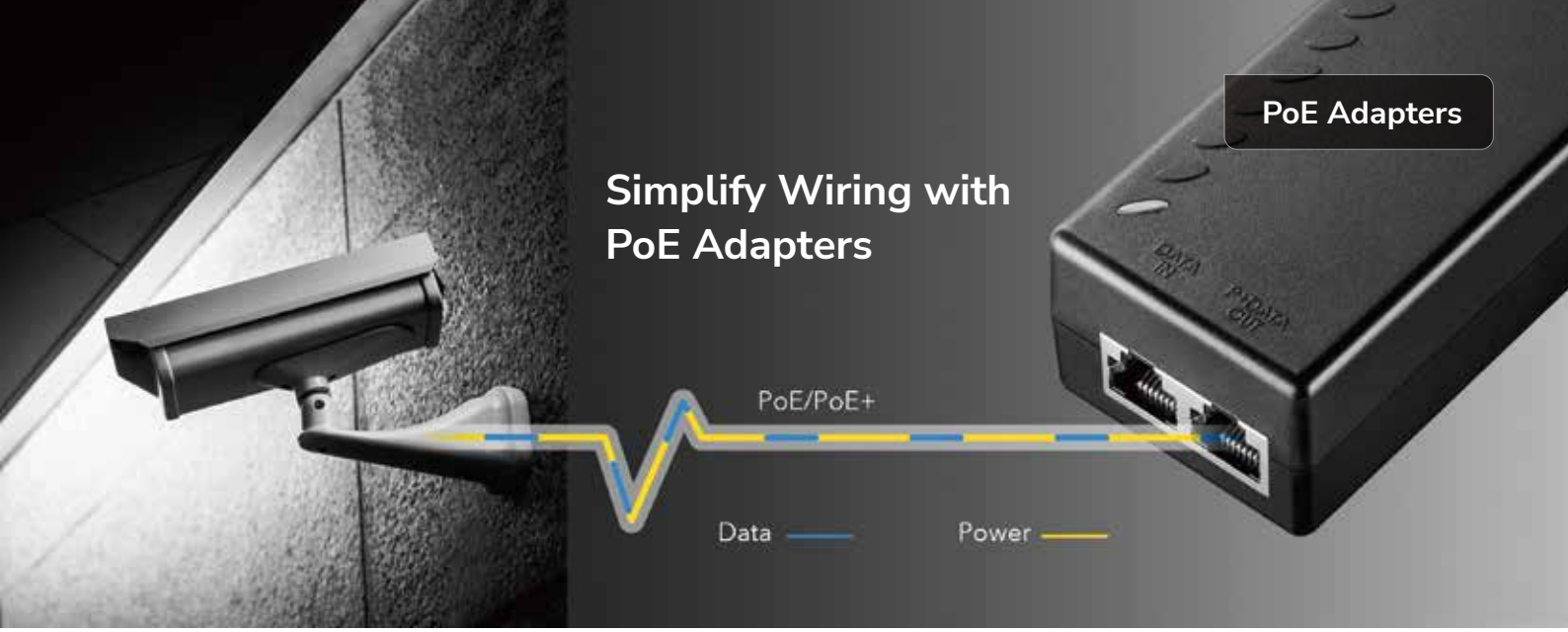
Models		GS2008PS2	GS2018PS2	GS2028PS4	GS2048PS4
Hardware	PoE+ Ports	8× GbE	16× GbE	24× GbE	44× GbE
	PoE++ Ports	-	-	-	4× GbE
	Uplink Ports	2× SFP	2× GbE+2× SFP	4× Combo	4× 10G SFP
	Console Ports	1× RJ45	1× RJ45	1× RJ45	1× RJ45
	Power Supply (W)	130	200	300 / 400	720
	Max Output on Single Port (W)	30	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

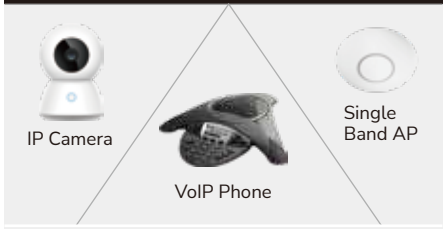
GS5024PS4-400W

- 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



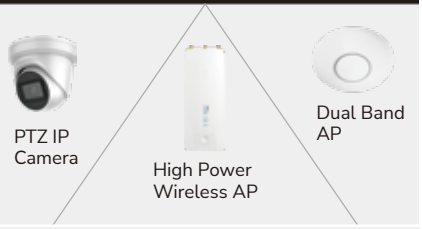
Power the Devices with Correct PoE Adapters

PoE / 802.3af



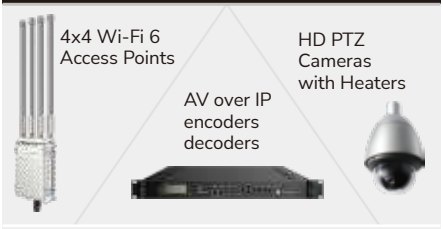
Distance	Theoretical Max Power
1 m	15 W
100 m	12.95 W

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



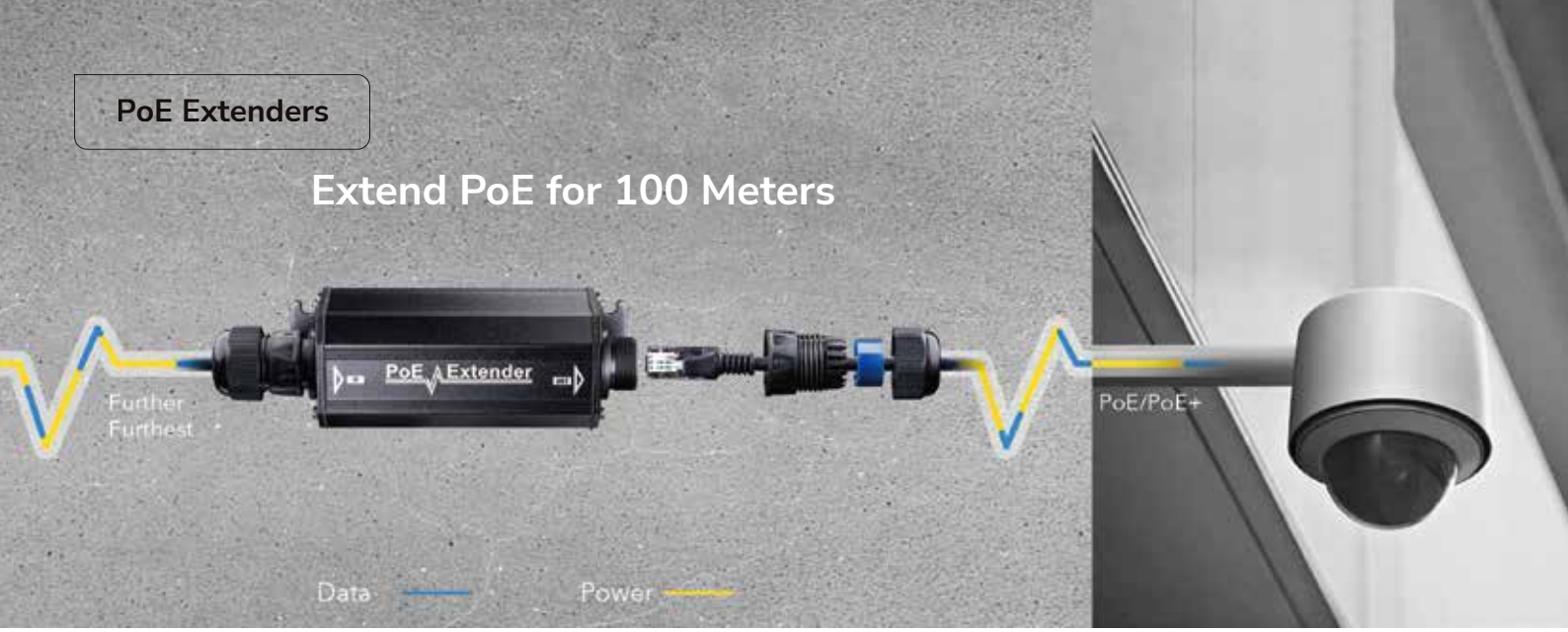
Distance	Theoretical Max Power
1 m	60 W 2-pair 90 W 4-pair
100 m	51 W 2-pair 71 W 4-pair

*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.

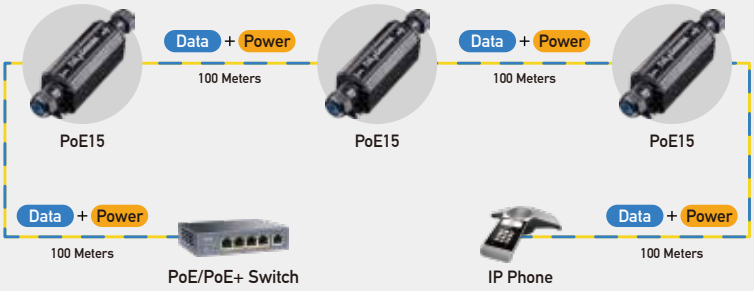
Models	POE200	POE300	POE350	POE400
PoE Power	30 W	60 W	90 W	90 W
PoE Standards	802.3at/af	802.3bt/at/af	802.3bt/at/af	802.3bt/at/af
Ethernet Ports	GbE In GbE Out	GbE In GbE Out	GbE In GbE Out	GbE In GbE Out
Pins	1/2-, 3/6+	1/2-, 3/6+; 4/5+,7/8-	1/2-, 3/6+; 4/5+,7/8-	1/2-, 3/6+; 4/5+,7/8-
Housing	Plastic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

PoE Extenders

Extend PoE for 100 Meters



Support up to 3 PoE+ Extenders for 400 Meters Distance



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

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

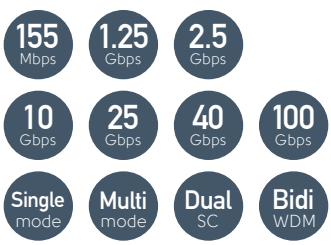
Modules

Media Converter Chassis

MC1402

2U / 19-inch / 14-Slot

Dual AC Power Supplies / 220 V + 48 V



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.