Router / Mesh / Repeater / Adapter / 4G 5G / xPON / AP / Switch / PoE / Industrial / Fiber

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** 2022-2028

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

Sedex

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

NQA ISO 9001 MANAGEMENT CERTIFICATION

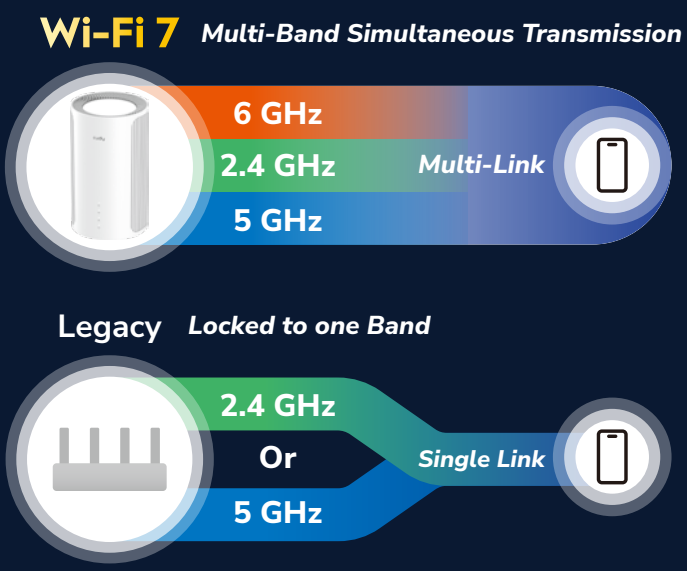
NQA ISO 14001 MANAGEMENT CERTIFICATION

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

Multi-RU
solves blocked channels

Preamble Puncturing
forms RU into wide channels

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

10 Gbps Internet Access
Enjoy multi-Gig network and boosted productivity with one 10G SFP+ and four 2.5G RJ45 Ports.

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

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

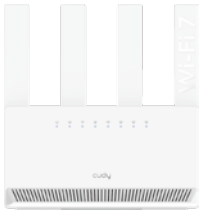
BE3600 2.5G Mesh Wi-Fi 7 Router

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

WR3600

BE3600 Gigabit Mesh Wi-Fi 7 Router

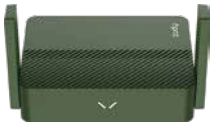
- 2 GHz Quad-Core CPU
- 2.8 Gbps (5 GHz) + 688 Mbps (2.4 GHz)
- 5× Gigabit Ethernet Ports



WR3600E

BE3600 Gigabit Mesh Wi-Fi 7 Router

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



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
- Configurable VPN Toggle

Common Software Features

Cudy App
Easy Management

Cudy Mesh
Seamless Whole-Home Coverage

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.

Utilities**
VPN Server and Clients
DNS over TLS

** Available on most models

Parental Controls
URL Blacklist / Time Schedule
Client Management / Profiles

Wi-Fi Routers

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
- Configurable VPN Toggle
- 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

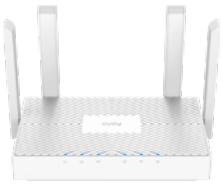
AX1500 Gigabit Mesh Wi-Fi 6 Router

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

WR1300

AC1200 Gigabit Mesh Wi-Fi Router

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



WR1300E

AC1200 Gigabit Mesh Wi-Fi Router

- 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 3× Gigabit Ethernet Ports
- USB-C Power Input *

* new version

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

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
- Configurable VPN Toggle
- 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
- USB-C Power Input *

* new version

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

Cudy Software Platform

On all Cudy devices, Cudy engineers make sure the software experience is intuitive and consistent, by implementing the Cudy Software Platform across routers, Mesh systems, RE, 4G/5G routers.

Inclusive

Most models, including many of the entry ones, have access to advanced features such as VPN and Cudy Mesh. For example, WR300 supports Cudy Mesh and Wireguard.

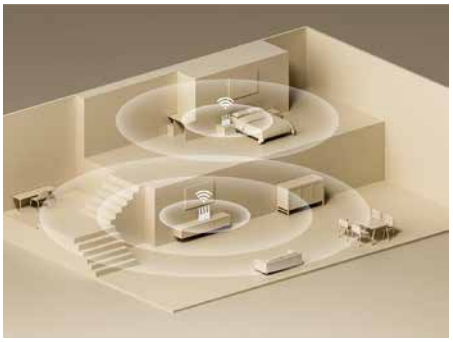
Intuitive

On the management page, the information panels deliver a clear view of the network status. The wizard program and Cudy App guide users through easy setup.

Parental Controls

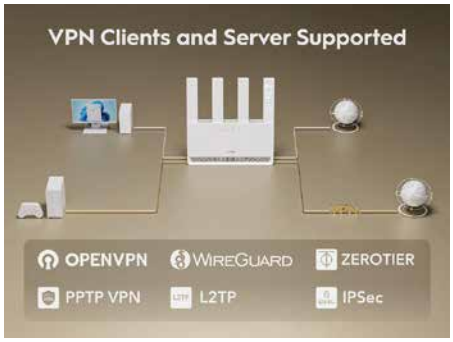
Set Wi-Fi time schedules and block inappropriate websites to protect your loved ones. You can create custom profiles to easily manage multiple devices.

Cudy Mesh



Create same-name Wi-Fi coverage throughout your home and enjoy fast roaming between Wi-Fi zones. Compatible with other Cudy Mesh routers and repeaters.

VPN Server and Clients



Share a VPN for all connected devices or host your own VPN server and enable Work-From-Anywhere, or access home files securely.

ISP Features

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

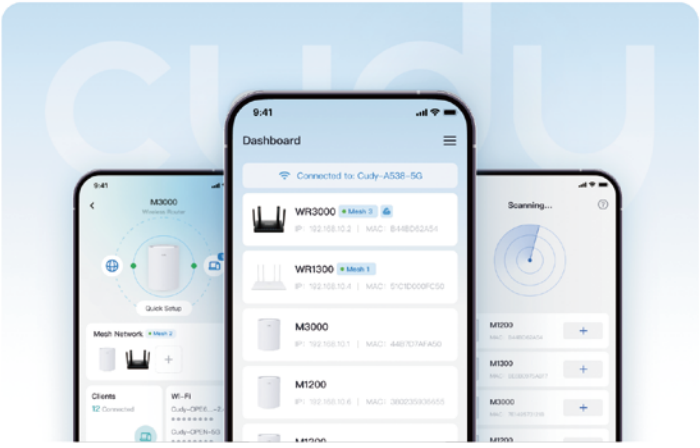
Customize default settings, such as IPTV/VLAN, and enable users to reset the device without messing up important config, saving maintenance costs.

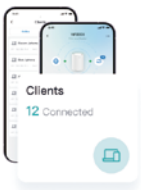
Cudy App

Your Home Network in Your Hands

Download on the App Store

GET IT ON Google Play



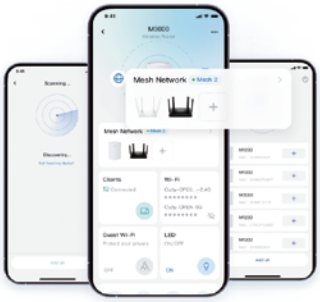


Clients Management

Toggle the Guest Network, tag the clients, and manage their internet access, VPN access, speed limitation, online time, and filtering content.

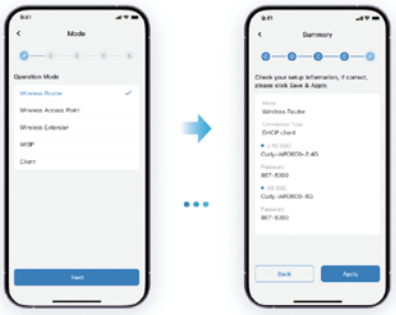
Add Devices. Streamlined

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.



Mesh Topology

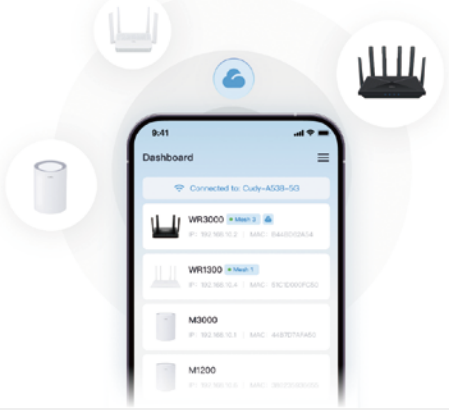
View all Cudy Mesh devices in a map and customize the backhaul routes.

Wi-Fi Password Lookup

Forget your password? Tap to have a glance and share via QR-Code.

Control Anywhere, Anytime via Cloud

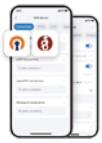
*Only available on models with Cudy App feature. Models with only Cudy App Local don't support cloud control.



Remote VPN Config

Configure VPN to enable remote access easily.

*Requires public IP address



Explore more settings

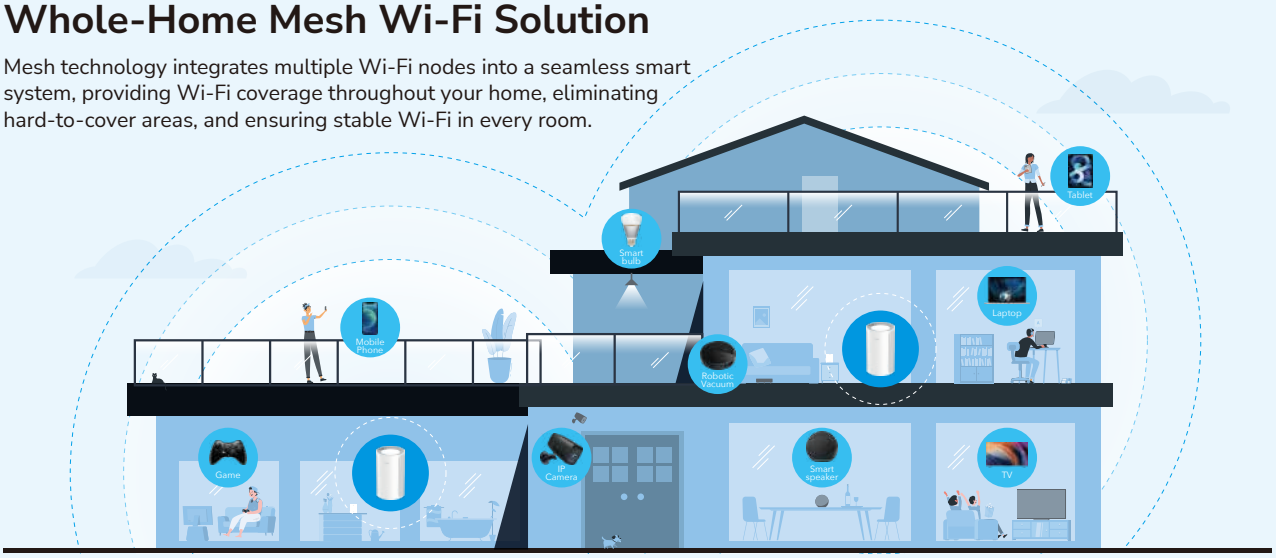
BE21000

10G Mesh Wi-Fi 7 System

Model : M21000

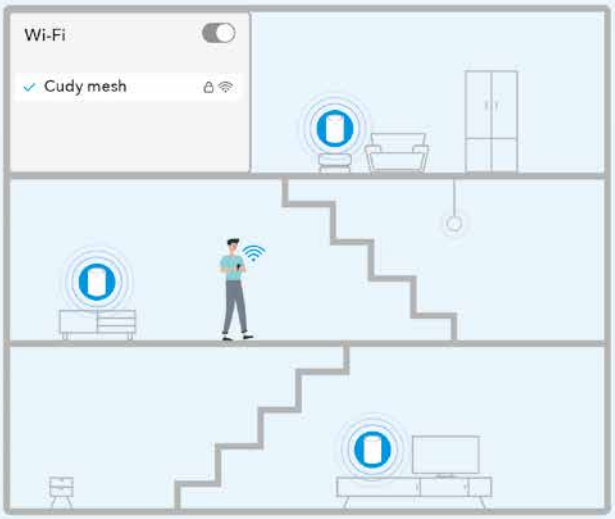
Whole-Home Mesh Wi-Fi Solution

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

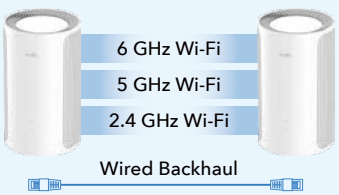
Whole-home Wi-Fi keeps clients connected to the best Wi-Fi automatically, without the need for manual switching between the original Wi-Fi and the extended network.



Fast Roaming

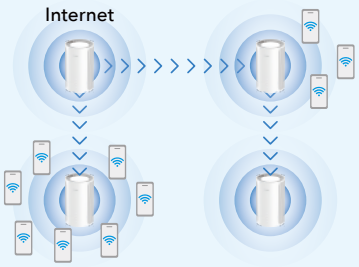
Auto switching between WiFi finishes instantly, ensuring uninterrupted calling and streaming when moving around.

Wired & Wireless Backhaul



Cudy Mesh nodes stream data back to the main nodes via wired and wireless backhaul, ensuring maximum stability and speed

Adaptive Routing



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

Mesh Systems

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× 2.5 GbE + 3× GbE

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

BE3600 Gigabit Mesh Wi-Fi 7 System

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

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

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

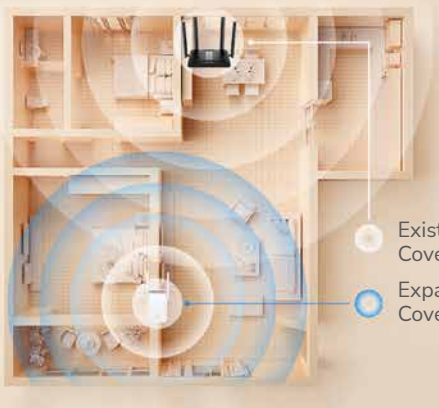
AC1200 Mesh Wi-Fi System

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

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× Gigabit 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 BE5000 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	LT700	P2	P4, P5, P6
	Outdoor	LT400 Outdoor, LT500 Outdoor	LT700 Outdoor	P2 ODU	
	Industrial	IR02, IR04		IR5G	

The Industrial Routers are listed on P37.

P6

5G SA/NSA BE5000 Wi-Fi 7 Router

- Unisoc V620
- 5G Rel. 16, Max 4.7 Gbps Cellular DL
- 4×4 MIMO, DL/UL Carrier Aggregation
- BE5000 Wi-Fi 7, 4.3 Gbps + 688 Mbps
- 2× 2.5GbE + 1× Nano SIM Slot
- Internal Antennas + 2× SMA (Cellular)
- 1× VoNR/VoLTE RJ11 (Optional)

P5

5G SA/NSA AX3000 Wi-Fi 6 Router

- Qualcomm X62 Modem
- Dual-Core CPU
- 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

- Qualcomm X62 Modem
- Dual-Core CPU
- 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

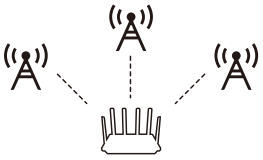
5G SA/NSA AX3000 Wi-Fi 6 Router

- Unisoc UDX710
- 1.3 GHz Dual-Core CPU
- 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)

Lightning-Fast 5G at the Next Level

Cudy P4, P5 and P6, equipped with the upgraded 5G standard, reduce the latency to and from the 5G base station, making the network not just lightning-fast, but also amazingly responsive.

Minimized Latency
with eURLLC



Connects Multiple
Base Stations

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× Detachable Cellular Antennas (SMA)

LT400

4G Cat 4 N300 Wi-Fi Router

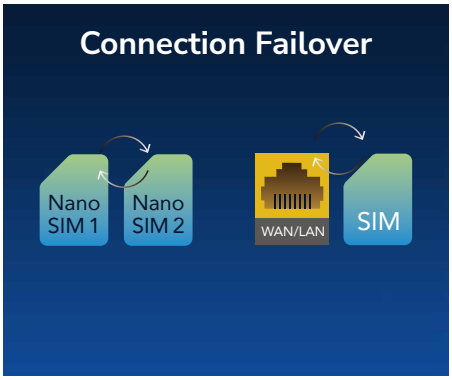
- 4G Cat. 4, Max 150 Mbps Cellular DL
- 300 Mbps Wi-Fi
- 4× FE + 1× Nano SIM Slot

LT300

4G Cat 4 N300 Wi-Fi Router

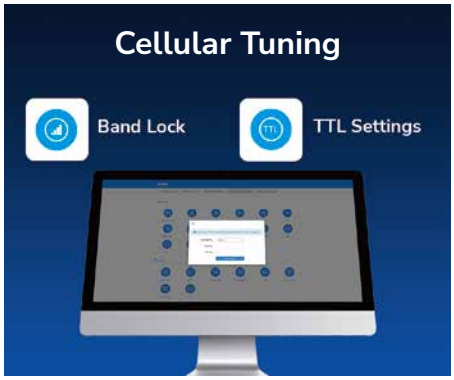
- 4G Cat. 4, Max 150 Mbps Cellular DL
- 300 Mbps Wi-Fi
- 2× FE + 1× Nano SIM Slot
- Fixed Antennas
- USB-C Power Input

Features for Personalized Optimization



WAN Failover / Dual SIM Failover

SMA Interface (Cellular)



Band Lock/TTL Settings

Outdoor

Keeps Connected in Challenging Environments

P2 ODU

5G NR Outdoor Unit

- 5G Rel. 15, Max 2.6 Gbps Cellular DL
- 4×4 MIMO, DL/UL Carrier Aggregation
- 1× GbE (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 with FTTH with xPON

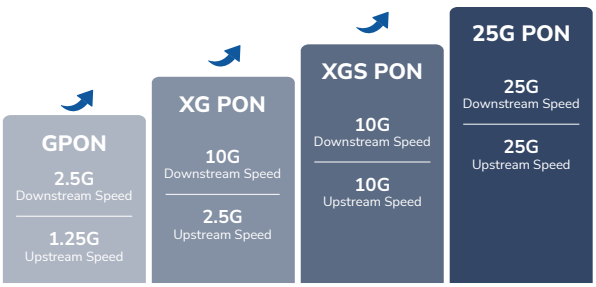
xPON Gateways and Routers

ISP Functions:
OMCI, CWMP, IPTV/VLAN

Remote Management

Devices supporting TR-069 (CWMP) and TR-369 (USP) enable seamless integration with ACS platforms for zero-touch provisioning, remote diagnostics, and bulk firmware upgrades, all managed from a centralized network management center.

- 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



Multi-Gig Performance

Enable your subscribers with multi-Gigabit speeds—delivering ultra-fast, reliable fiber connectivity right to homes and offices. Scalable, cost-efficient, and future-ready, it's the easy way for ISPs to upgrade networks and satisfy growing demand.

80+

Served users in 80+ countries/ regions

10M+

10 million units shipped

Built for Customer's Satisfaction

Our products are trusted by users across more than 80 countries worldwide as of Sept 2025.

GP3600 (GP3600V)

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

Wi-Fi 7
- BE3600 Wi-Fi
- 160 MHz, MLO, MRU, 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 (GP3600V Only)

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

GP3000 (GP3000V)

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

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)

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

GP1200 (GP1200V)

AC1200 Wireless Dual Band Gigabit xPON Router (with VoIP)

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)

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

GP10X

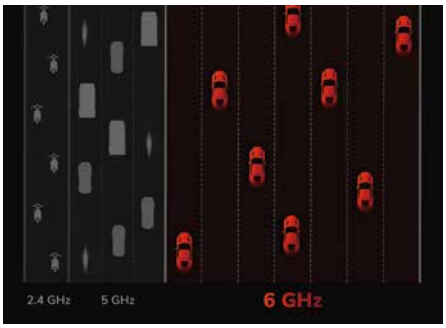
1-Port 10 Gbps XGSPON Terminal

Interfaces
- 1× SC/APC Port (XGS-PON)
- 1× 10GbE

Buttons
- Reset Button

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 Dual-Band Wi-Fi 6 High-Gain 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 / Mac OS / Linux
- Pre-Loaded Driver 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
- Pre-Loaded Driver 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 / Mac OS / Linux
- Auto Driver Install on Windows
- Mini Size, 29.7×8.5×16 mm

WU300

AX300 Wi-Fi 6 Nano USB Adapter

- Up to 286 Mbps at 2.4 GHz
- Windows 7/10/11 / Mac OS / Linux
- Built-in Driver on Windows
- Nano Size, 20×15×8 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 / Mac OS / Linux
- Pre-Loaded Driver on Windows
- Mini Size, 37.5×17×8.5 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
- Built-in Driver on Windows
- Nano Size, 20×15×8 mm

USB Bluetooth Adapters

BU530

Bluetooth 5.3 Nano USB Adapter

- Bluetooth 5.3
- Requires a USB-C 2.0 or Higher Port
- 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

PCI-E Adapters

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)

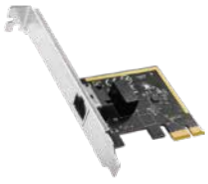
Wired

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 / Synology DSM

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



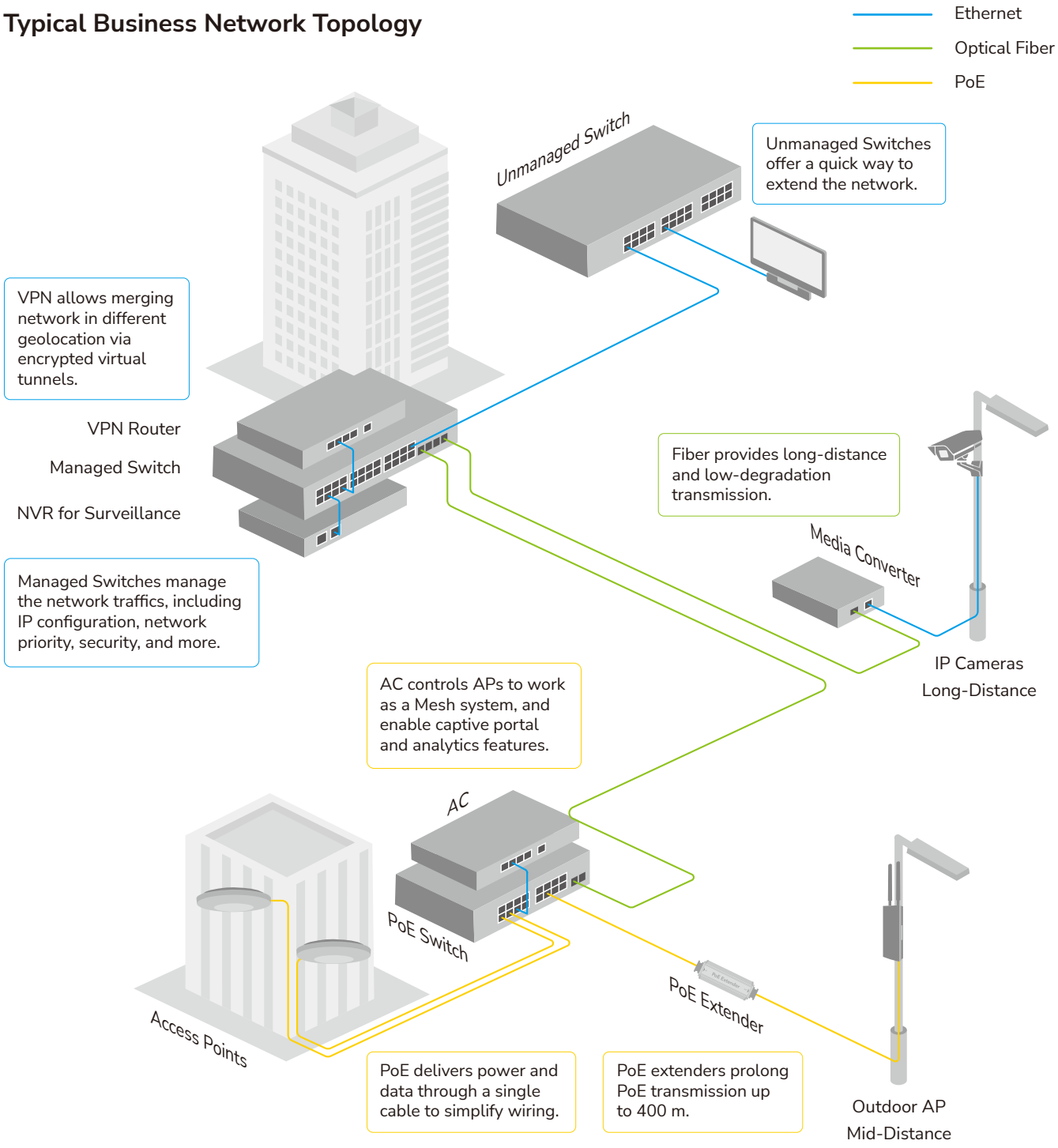
PE10
Gigabit PCI-E Ethernet Adapter

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

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



Create Faster and Broader Business Wi-Fi

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

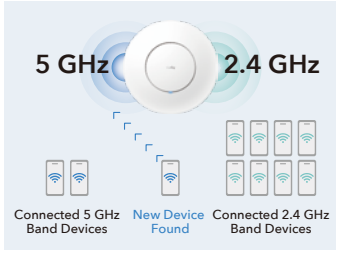
10 Gbps SFP+
Unleashes the full wireless speed to enable faster transmission for more devices.

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

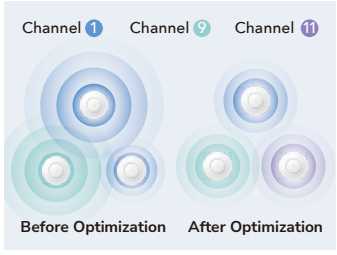
A Smart Business Wi-Fi for Customers' Satisfaction

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.

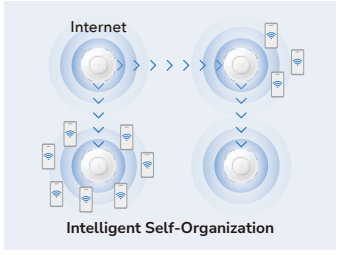
Captive Portal
Captive portal allows you to improve brand awareness by displaying a customized login page for new clients, which satisfies authorization and marketing demands.



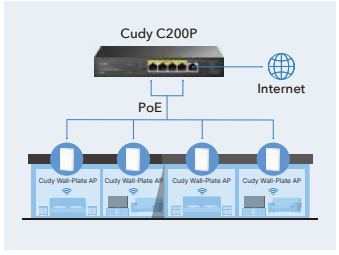
Band Steering
Assigns devices to the less-congested bands, optimizing the system performance.



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 / VPN Routers

C500P

2-IN-1 SMB Router/AP Controller with 8 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 SMB Router /AP Controller with 4 PoE+ Ports

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

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

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

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

AX3000 2.5G Access Point

- 1.3 GHz Duad-Core CPU
- 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1× 2.5 Gbps Ethernet Port (PoE In)
- 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× 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× GbE LAN
- PoE 802.3at/af
- 86×86×43 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

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

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

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

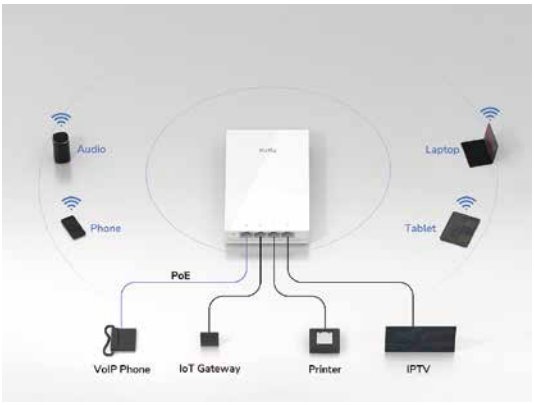
Common Features

Install on the Electrical Box

Saves spaces, merge into environment

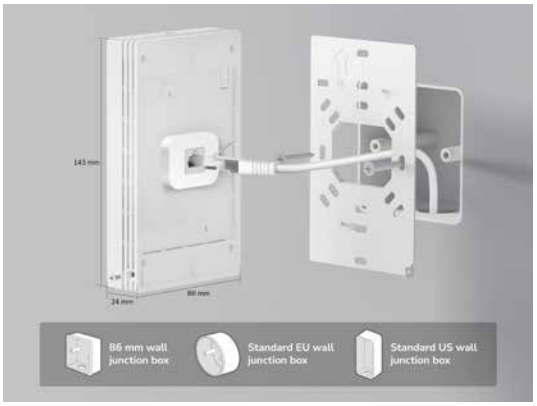
Hardware Watchdog

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 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× 2.5 Gbps Ethernet Port (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 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: 12V DC, or 12-57V Passive PoE
- IP55 WaterProof, -20°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: 12V DC, 802.3at/af, or 24-57V Passive PoE
- PoE Out: 802.3af or 48V Passive PoE
- IP65 WaterProof, -40°C~70°C, 4kV 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: 12V DC, 802.3at/af PoE, or 48V Passive PoE
- PoE Out: 802.3af or 48V Passive PoE
- IP65 WaterProof, -40°C~70°C, 4kV Surge/Lightning Protection (RJ45)

SMB and Industrial Product Family

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 Light-Managed Switch

Models	HS108ES1	HS105(v3)	HS105U
Ethernet Ports	8× 2.5G RJ45 1× 10G SFP+	5× 2.5G RJ45	5× 2.5G RJ45
MAC Address	4096	4096	4096
Switching Capacity	60 Gbps	25 Gbps	25 Gbps
Max Forwarding Rate	44.64 Mpps	18.6 Mpps	18.6 Mpps
Jumbo Frame	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	USB-C
Installation	Wallmount		
Dimension	190×100×28 mm	119×85×28 mm	100×92×32.5 mm

L3/L2 Managed Switch

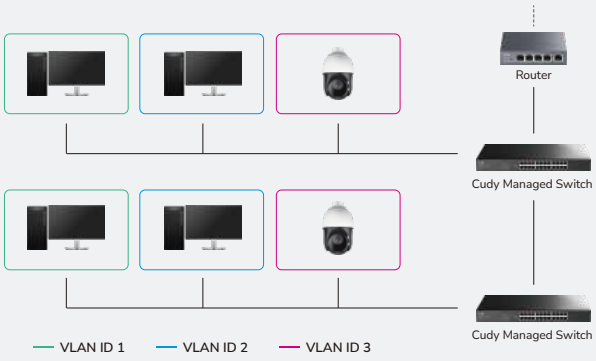
Models		GS5024S4	GS2024S2
Hardware	**RJ45 Ports**	24× GbE	24× GbE
	SFP Slots	4× 10G SFP+	2× SFP
	Console Ports	RJ45, USB	RJ45
	Switching Capacity	128 Gbps	58 Gbps
Performance	**MAC Address Table**	16384	8192
	Jumbo Frame	12 KB	9.6 KB
	VLANs	4096	4096
	Forwarding Rate	95.232 Mpps	43.152 Mpps
L2+ Features	**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)	440×204×44	440×205×44
	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

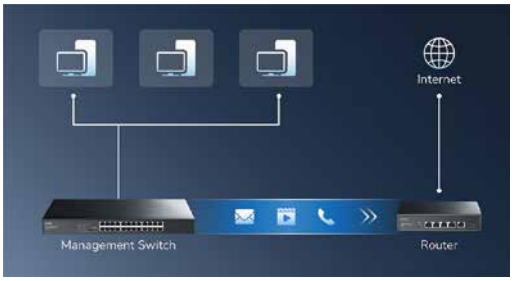


Gigabit Light-Managed Switch

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, Cloud						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

802.1Q/MTU/Port-Based VLAN

802.1Q VLANs allows creating secure and high-performance network segments across different managed switches.



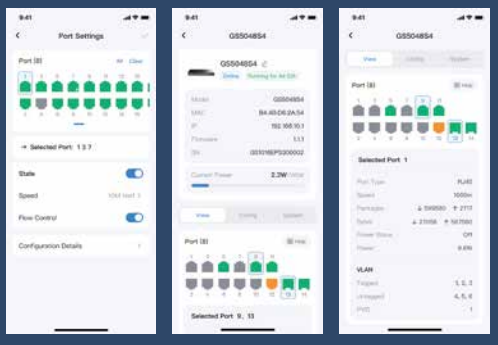
DSCP/802.1p/Port-Based QoS

DSCP/802.1p QoS identifies DSCP packets in the tranmission and prioritize those latency-sensitive data.

Easy Management with Cudy App

Cudy light-managed switches with cloud support let you monitor device status, adjust settings, and troubleshoot remotely—making network management simple and efficient.

* In the light-managed switch fleet, GS105ES1 GS1005PTS1 will not support remote management via the Cudy App



Gigabit Unmanaged Switch

Models	GS1024	GS1016	GS108	GS108D (v7)	GS108U	GS105	GS105D (v7)	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	USB-C		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	USB-C (v5)	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

2.5G PoE Switch

HS1008EPS1

8-Port Multi-Gigabit Light-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
Hardware	**RJ45 Ports**	24× GbE	48× GbE	28× GbE (4× Combo)	18× GbE
	SFP/SFP+ Slots	4× 10G SFP+	4× 10G SFP+	4× SFP (Combo)	2× SFP
	PoE+ Ports	1-24	1-4 (PoE++) 5-44(PoE+)	1-24	1-16
	Console Ports	RJ45/USB	RJ45	RJ45	RJ45
	Power Supply (W)	400	720	300 / 400	200
	Max Output on Single Port (W)	30	30 (PoE+) 90 (PoE++)	30	30
	PoE Standards	802.3at/af	802.3bt/at/af		
	PoE Watchdog	√	√	√	√
	Fans	1	1	-	-
	Power Input	Internal AC100-240V			
Performance	**MAC Address Table**	16384	32768	8192	8192
	Jumbo Frame	12 KB	12 KB	9.6 KB	9.6 KB
	VLANs	4096	4096	4096	4096
	Forwarding Rate	95.23 Mpps	130.94 Mpps	41.66 Mpps	29.76 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
	Installation	Rackmount	Rackmount	Rackmount	Rackmount

Gigabit Light-Managed PoE+ Switch



Models	GS1028EPS2	GS1016EPS2	GS1005PTS1 (v3)
PoE Ports	24× GbE PoE+ RJ45	16× GbE PoE+ RJ45	1× GbE 60W PoE+ RJ45 3× GbE 30W PoE+ RJ45
Non-PoE Ports	2× GbE RJ45	2× SFP	1× GbE RJ45
	2× GbE RJ45/SFP Combo		1× GbE SFP
Power Supply	300W	200W	120W
MAC Address	8192	8192	2048
Switching Capacity	56 Gbps	36 Gbps	12.5 Gbps
Max Forwarding Rate	41.664 Mpps	26.78 Mpps	8.929 Mpps
Jumbo Frame	15 KB	15 KB	15 KB
Management	Web, Cloud		Web
	SNMPv1/v2c, Trap		-
VLAN	Port/MTU/802.1Q VLAN		Port/MTU/802.1Q VLAN
QoS	Port/802.1p/DSCP QoS, Speed Limiting		Port/802.1p/DSCP QoS, Speed Limiting
	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
Installation	Desktop, Rackmount	Desktop, 440×220×44	Desktop, Wallmount
Dimension	440×220×44 mm	440×220×44 mm	200×118×44 mm

Gigabit Unmanaged PoE+ Switch - Data Communication Models

Data communication models focus on features and high-power redundancy



Models	GS1028PS2	GS1020PS2	GS1010PE
PoE Ports	24× GbE PoE+ RJ45	16× GbE PoE+ RJ45	8× GbE PoE+ RJ45
Uplink Ports	2× GbE RJ45, 2× RJ45/SFP Combo	2× SFP	2× GbE RJ45
Power Supply	300W	200W	120W
MAC Address	8192	8192	2048
Switching Capacity	56 Gbps	36 Gbps	20 Gbps
Max Forwarding Rate	41.664 Mpps	26.78 Mpps	14.88 Mpps
Jumbo Frame	15 KB	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	#9-16	All PoE Ports
QoS	DSCP/802.1p QoS		-
Switching	Loop Detection/Prevention		-
Power Input	AC	AC	AC
Installation	Rackmount	Rackmount	Rackmount
Dimension	440×220×44 mm	440×220×44mm	256×170×44 mm

Gigabit Unmanaged PoE+ Switch — Surveillance Models

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





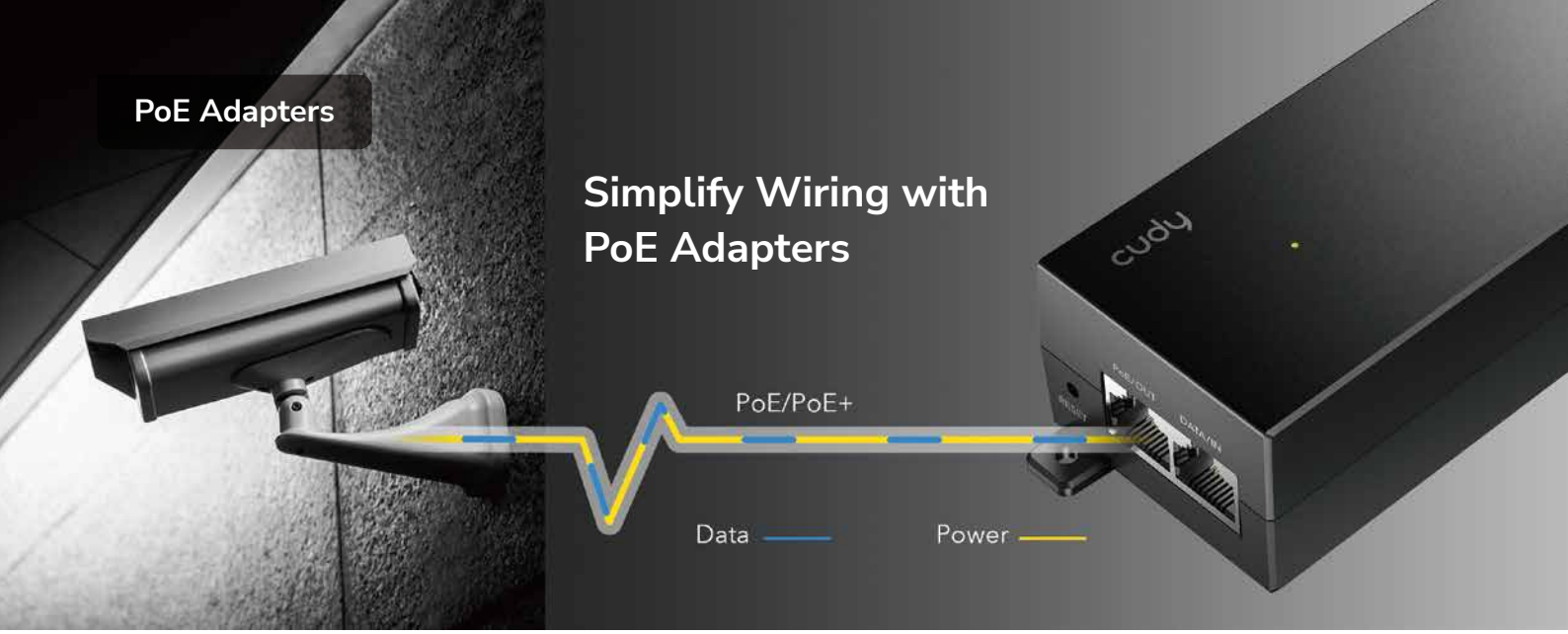
Models	GS1026PS2	GS1018PS2	GS1010PS2	GS1010P	GS105P
Ethernet Ports	24× GbE PoE+ RJ45 2× GbE RJ45 2× SFP	16× GbE PoE+ RJ45 2× GbE RJ45 2× SFP	8× GbE PoE+ RJ45 2× GbE RJ45 2× SFP	8× GbE PoE+ RJ45 2× GbE RJ45	4× GbE PoE+ RJ45 1× GbE RJ45
Power Supply	300W	200W	120W	120W	36W
MAC Address	2048	2048	2048	2048	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

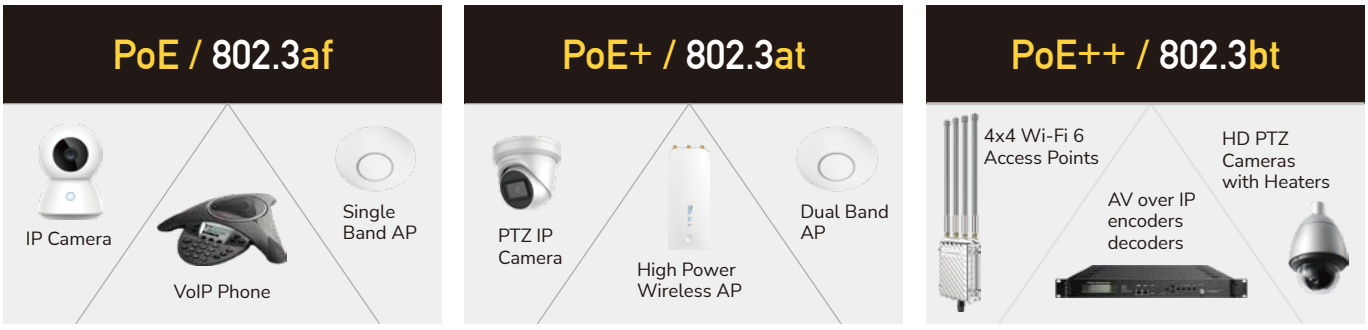





Models	FS1026PS1	FS1018PS1	FS1010PG	FS1010P	FS1006P	FS106P
PoE Ports	24× FE PoE+ RJ45	16× FE PoE+ RJ45	8× FE PoE+ RJ45	8× FE PoE+ RJ45	4× FE PoE+ RJ45	4× FE PoE+ RJ45
Uplink Ports	2× GbE RJ45 1× GbE SFP	2× GbE RJ45 1× GbE SFP	2× GbE RJ45	2× FE RJ45	2× FE RJ45	2× FE RJ45
PoE Supply	200W	200W	120W	120W	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



Power the Devices with Correct PoE Adapters



*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.

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	√	√	√	√	√	√

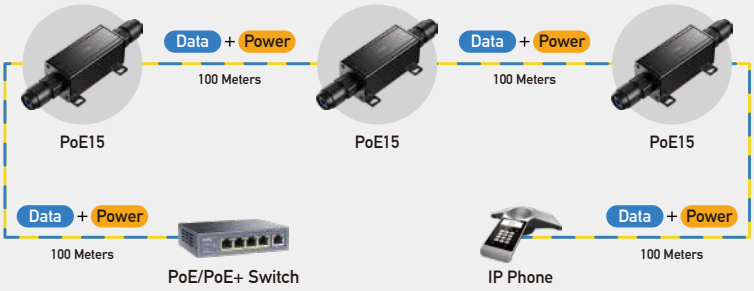
Passive PoE

No Negotiation PoE

Models	POE-DC	POE24-12W	POE48-18W	POE52-30W
PoE Output	Determined by PSU used, Max. 1A	24V, 12W	48V, 18W	48-52V, 30W
Power Input	Not Included	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
Housing	Plastic	Plastic	Plastic	Plastic
Pins	Mode B	Mode B	Mode B	Mode B
Wall Mounting	√	√	√	√

Extend PoE by 100 meters
Gigabit PoE Extender

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	100 m	100 m	100 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		
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	-				Light-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	-				Light-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

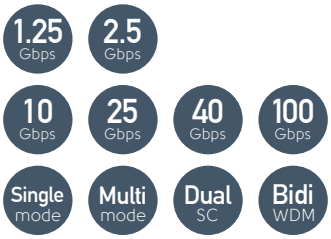
MC1402

Media Converter Chassis

2U / 19-inch / 14-Slot

Dual AC Power Supplies / 220 V + 48 V

Modules



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.