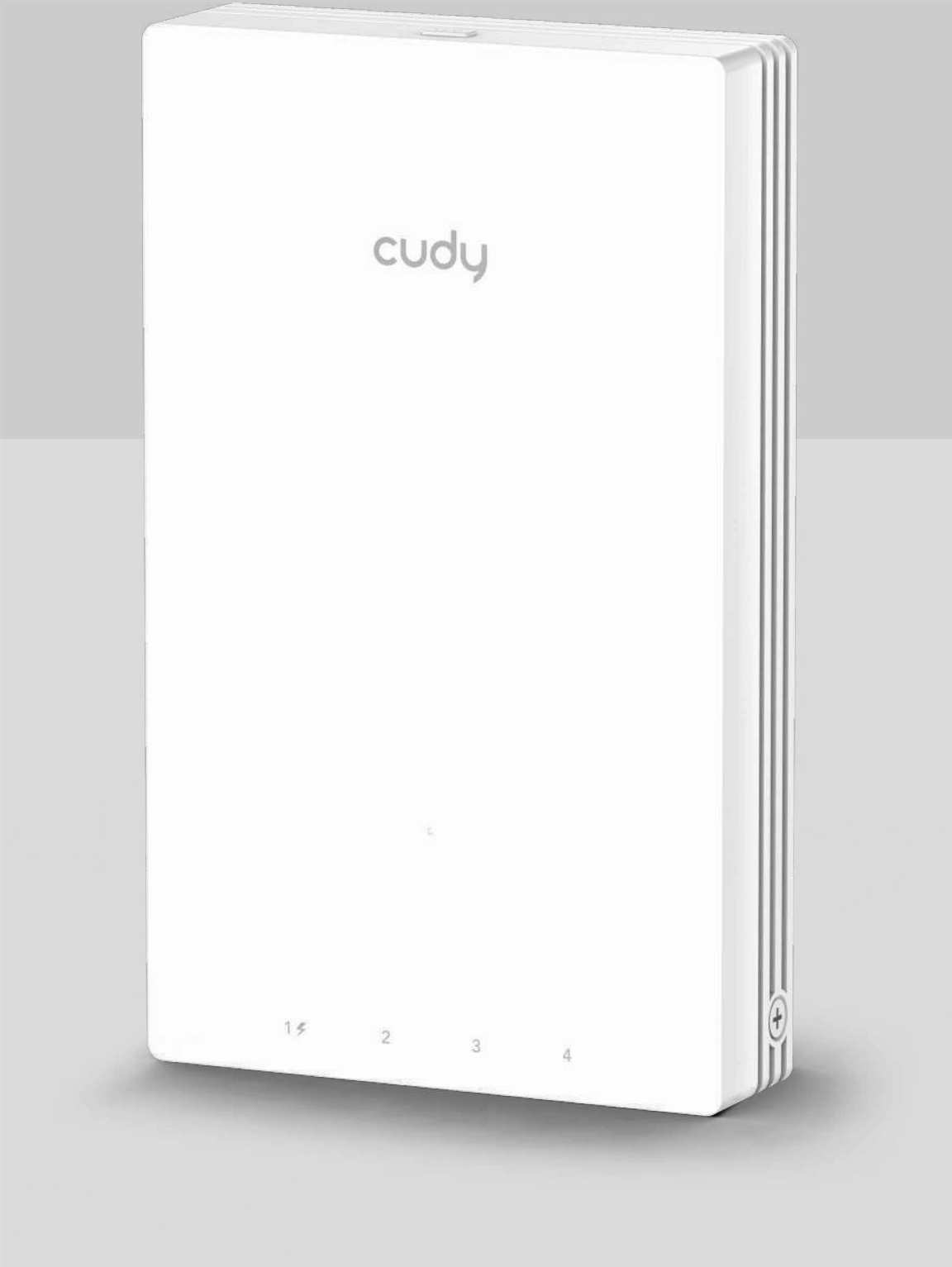


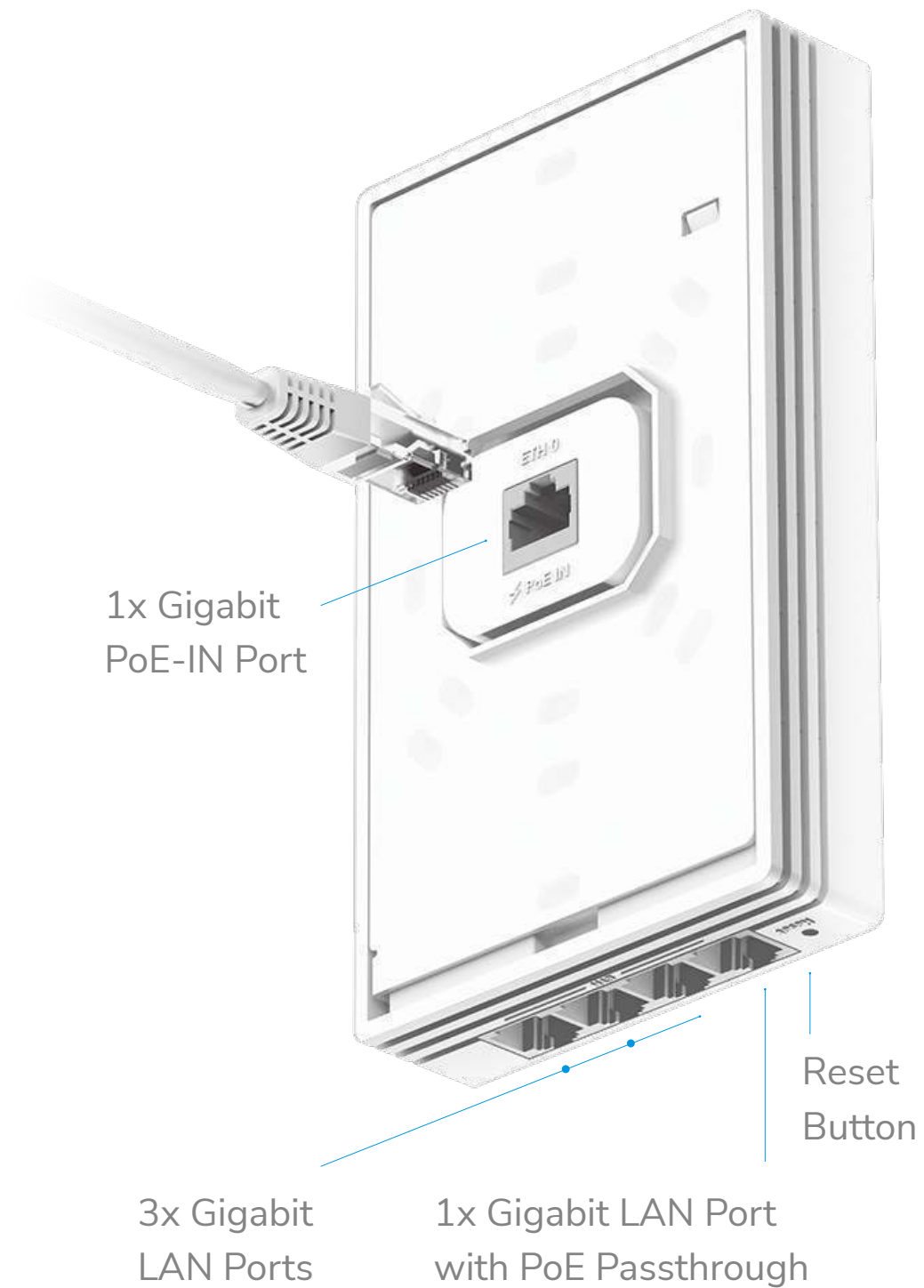


Model: AP3000 Wall

# AX3000

Wall-Plate Wi-Fi 6 Access Point





## 4 Gigabit LAN Ports

4 Gigabit ports connect multiple devices to the Gigabit internet.

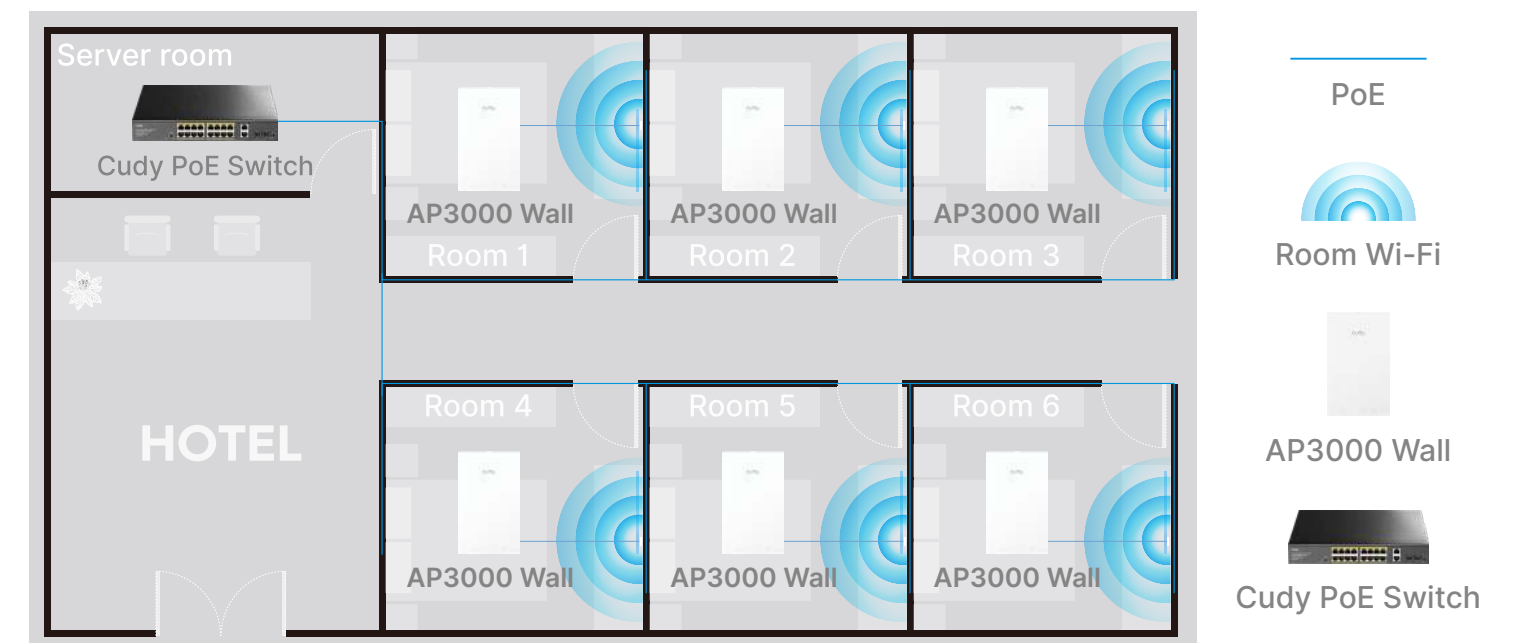
## PoE Passthrough Available

One port with PoE Passthrough delivers power and data over a single cable, simplifying connections for IP phones or PSE-enabled devices.

## Fast Roaming with cudy Mesh

Enables uninterrupted and seamless Wi-Fi expansion with Cudy Mesh.

## Simplified Deployment with PoE Power





## Highlights

An in-wall WiFi 6 AP with a built-in 5-GbE switch ideal for covering a room or ensuite in hospitality environments. One PoE output allows for connecting an IP phone or other PSE-enabled devices.

- 1.3 GHz Dual-Core CPU
- 4-Stream Dual-Band Wi-Fi 6
- 2402 Mbps + 574 Mbps Wi-Fi
- 1× GbE PoE In, 1× GbE PoE Out, 3× GbE
- 802.3at, 802.3af (No PoE-Out)
- Watchdog, Schedule Reboot
- Covers 60 m² (650 ft²)
- 60 Connected Devices

## Package Content

- AP3000 Wall
- Mounting Kit
- Installation Guide

## Hardware Specs

|                  |                          |                                                                                                                                                 |
|------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU              | Chipset                  | MT7981BA                                                                                                                                        |
|                  | CPU Details              | 1.3 GHz Dual-Core CPU                                                                                                                           |
| Memory/Storage   | Flash/ROM                | 128 MB (1 Gbit) NAND                                                                                                                            |
|                  | DDR/RAM                  | 256 MB (2 Gbit) DDR3                                                                                                                            |
| Wireless         | 5 GHz Wi-Fi Speed        | 2402Mbps                                                                                                                                        |
|                  | 2.4 GHz Wi-Fi Speed      | 574 Mbps                                                                                                                                        |
|                  | 5 GHz Wi-Fi Streams      | 2T2R (2×2 MIMO) with an Extra Stream                                                                                                            |
|                  | 2.4 GHz Wi-Fi Streams    | 2T2R (2x2 MIMO)                                                                                                                                 |
|                  | Wi-Fi Antennas           | 3× Internal                                                                                                                                     |
|                  | 5 GHz Antenna Gain Max   | 7.08dBi (US), 6.52dBi (EU)                                                                                                                      |
|                  | 2.4 GHz Antenna Gain Max | 3.17dBi                                                                                                                                         |
|                  | FEM or PA/LNA            | 5 GHz: 3× Internal                                                                                                                              |
|                  |                          | 2.4 GHz: 2× Internal                                                                                                                            |
|                  | Beamforming              | True                                                                                                                                            |
| Interfaces       | Range Performance        | Max: 80 m (262 ft)<br>Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec for placement suggestions. |
|                  | Wall Performance         | Two wooden walls with thickness < 10 cm (4")<br>One concrete wall with thickness < 20 cm (7")                                                   |
|                  | Gigabit RJ45 Ports       | 5                                                                                                                                               |
|                  | Ethernet Notes           | The port on the back accepts PoE powering.<br>One port on the front bottom supports PoE passthrough                                             |
| LED              |                          | System                                                                                                                                          |
| Physical Buttons |                          | Reset Button                                                                                                                                    |



## Hardware Specs

|                      |                            |                                                       |
|----------------------|----------------------------|-------------------------------------------------------|
| Interfaces           | Physical Buttons           | LED On/Off Button                                     |
|                      | Power Input                | PoE via Ethernet Port                                 |
| Power                | Power Methods              | Passive PoE                                           |
|                      |                            | 802.3at/af PoE                                        |
|                      | Passive PoE                | 48V                                                   |
|                      | Max Power Consumption (W)  | 12 W (48 V PoE)                                       |
|                      | Idle Power Consumption (W) | 5 W (48 V PoE)                                        |
| Reliability          | Advanced                   | Hardware Watchdog                                     |
|                      | EMS                        | ESD: Contact: 4kV; Air: 8kV                           |
|                      | Environment                | Operating Temperature: 0 °C ~ 40 °C (14 °F ~149 °F)   |
|                      |                            | Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F) |
|                      |                            | Operating Humidity: 10% ~ 90% non-condensing          |
|                      |                            | Storage Humidity: 5% ~ 90% non-condensing             |
| Certifications       | FCC, CE                    |                                                       |
| Mechanical           | Installation               | Wall-mount                                            |
|                      | Dimension                  | 143×86×27.6 mm                                        |
|                      |                            | 5.63×3.39×1.09 inches                                 |
| Ordering Information | Retail Package Dimension   | 152×39.5×90 mm                                        |
|                      |                            | 5.98×1.56×3.54 inches                                 |
|                      | Units per Carton           | 30                                                    |
|                      | Carton Dimension           | 33.1×22×29.6 cm                                       |
|                      |                            | 13.03×8.66×11.65 inches                               |

## Software Specs

|            |                                |                                      |
|------------|--------------------------------|--------------------------------------|
| Wireless   | Wi-Fi Standards                | Wi-Fi 6                              |
|            | Max Wi-Fi Modulation           | 1024-QAM                             |
|            | Wi-Fi Efficiency               | OFDMA                                |
|            |                                | MU-MIMO                              |
|            |                                | BSS Color                            |
|            | Max Capacity                   | 256                                  |
|            | Recommended Client Upper Limit | 60                                   |
|            | Max Wi-Fi Channel Width        | 160 MHz                              |
|            | Wi-Fi Security                 | WPA/WPA2/WPA3                        |
|            | Multi-SSID (Max Number)        | 8 SSIDs (Up to 4 SSIDs on each band) |
| General    | Operation Modes                | Access Point                         |
|            | Mesh                           | Cudy Mesh                            |
|            | Mesh Backhaul                  | Wireless Backhaul                    |
|            |                                | Wired Backhaul                       |
| Network    | Multi-Band Backhaul            | True                                 |
|            | DHCP                           | Server                               |
|            | IP Versions                    | IPv4                                 |
| Utilities  | IGMP                           | IGMP Snooping                        |
|            | Wake on LAN                    | True                                 |
| Management | All Devices Management         | Wi-Fi Time Schedule                  |
| System     | LED Control                    | True                                 |



# Software Specs

|        |                       |                                            |
|--------|-----------------------|--------------------------------------------|
| System | Local Control Method  | Config Web Page                            |
|        |                       | App Control                                |
|        | Remote Control Method | Config Page via HTTPS                      |
|        |                       | App Control                                |
|        | Firmware Upgrade      | Local Update                               |
|        |                       | App (Over the Air)                         |
|        |                       | Online Update                              |
|        | Reliability           | Timed Reboot                               |
|        |                       | Backup and Restore                         |
|        | Diagnostic Tools      | Diagnosis                                  |
|        |                       | Ping                                       |
|        |                       | Traceroute                                 |
|        |                       | NSLookup                                   |
|        |                       | System Log                                 |
|        | Languages             | • English • Bengali • Catalan • Czech      |
|        |                       | • German • Greek • Spanish • French        |
|        |                       | • Hebrew • Italian • Croatian • Hungarian  |
|        |                       | • Khmer • Korean • Dutch • Japanese        |
|        |                       | • Russian • Slovak • Swedish • Romanian    |
|        |                       | • Turkish • Vietnamese • Thai • Ukrainian  |
|        |                       | • Polish • Norwegian • Portuguese          |
|        |                       | • Simplified Chinese • Traditional Chinese |

# Software Specs

|           |        |                    |
|-----------|--------|--------------------|
| Dashboard | Panel  | Internet Status    |
|           |        | Mesh Status        |
|           |        | Devices Management |
|           |        | LAN Status         |
|           |        | Wi-Fi Status       |
|           |        | DHCP Server Status |
|           |        | System Version     |
|           |        | Connected Devices  |
|           | Charts | Mesh Topology      |
|           |        | Wi-Fi Speed        |