

MikroTik

# hAP ac<sup>3</sup>

A wireless dual-band router with 5 Gigabit Ethernet ports.  
The right choice for most homes!



5x Gigabit  
Ethernet ports



iOS/Android app for quick  
and easy configuration



USB port



128 MB NAND



PoE-in/PoE-out



Strong dual-chain dual-  
band 2.4/5 GHz Wireless



Powerful external high gain  
antennas (3 – 5.5 dBi)



Quad-core CPU



Extreme versatility with  
the powerful RouterOS

Forget about endless searching for the perfect router and scrolling through an eternity of reviews and specifications! We have created a single affordable home access point that has all the features you might need for years to come.

### Next level signal

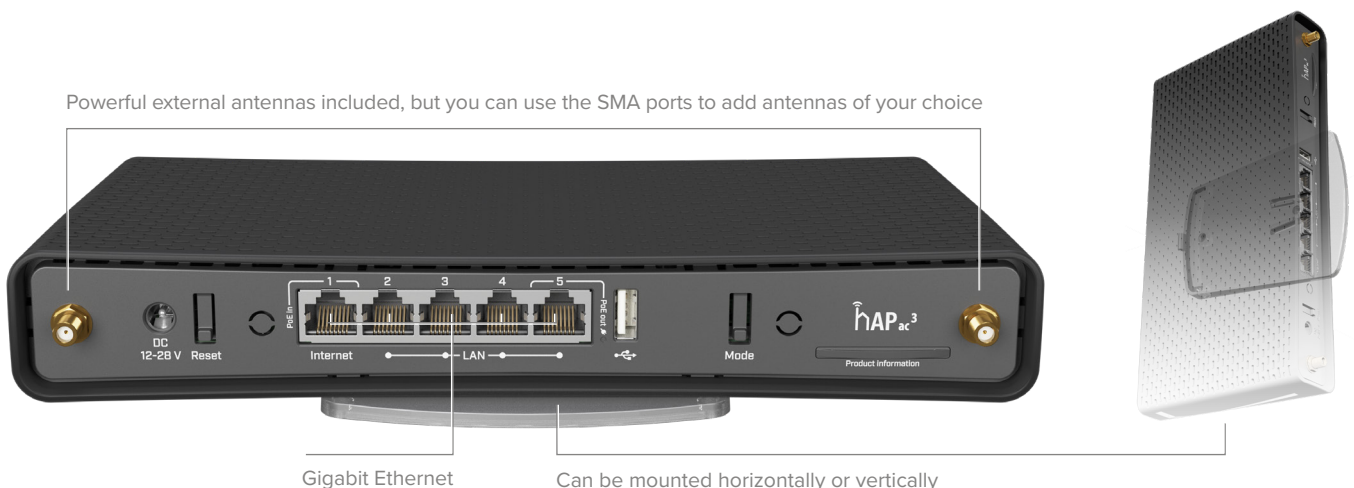
Is your old router struggling to reach every corner of your home? Well, forget about that! We have included external high gain wireless antennas with outstanding coverage. Only strong and stable wireless connection in every room from now on!



## hAP ac<sup>3</sup> - the new standard of home access points.

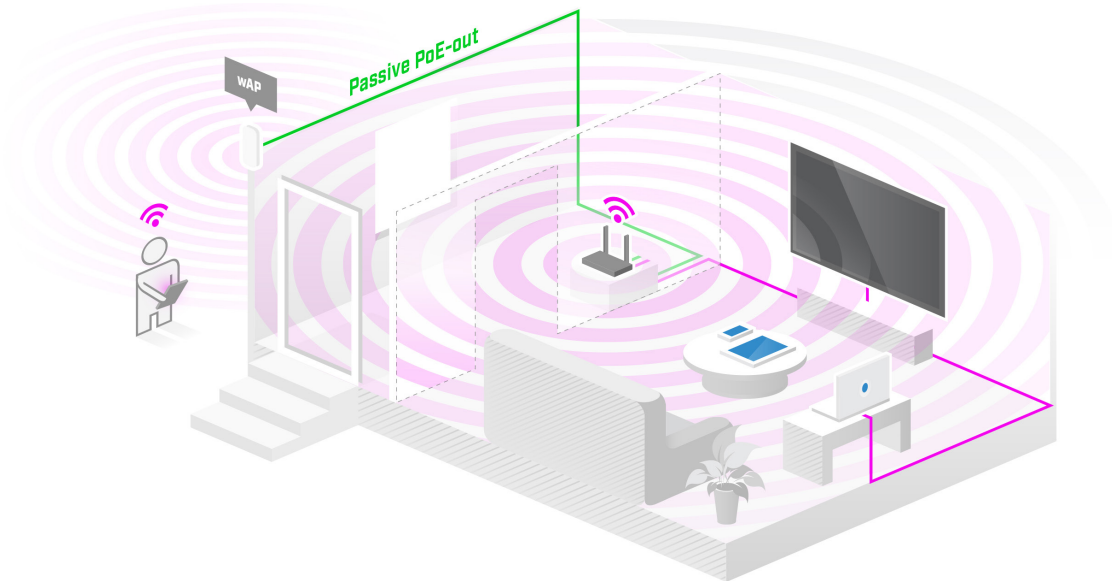
### Function, form, versatility

With 5 Gigabit Ethernet ports, 256 MB of RAM and quad-core CPU, hAP ac<sup>3</sup> can satisfy even the biggest and most demanding households. With PoE support, it can power or be powered by other devices. There is a 128 MB NAND and a full-size USB port that you can use to add extra storage. The new enclosure allows mounting the device vertically or horizontally. A wall mount set is also included.



## Reliable connection for all your devices

Stop sharing the frequency with all your neighbors! Strong **dual-chain dual-band** 2.4/5 GHz wireless for concurrent coverage will solve most interference issues in a crowded environment. This is a must-have these days! You can use the 2.4 GHz channel for older devices and the 5 GHz channel for everything else, since this frequency is less cluttered.



## RouterOS – extreme versatility

Run a secure VPN from the office directly to your home, enable parental control, Quality of Service (traffic prioritization for certain needs, such as streaming), specific firewall rules, IPsec hardware acceleration, VLAN, DHCP, e-mail or SMS notifications, and so on. With RouterOS scripting you can automate a lot:

- modify queues based on bandwidth usage;
- complex trigger notifications, such as “Your bandwidth has reached X for Y minutes!”
- backups and setup of additional devices, and so much more!

If you can imagine it – RouterOS can achieve it. You can even install RouterOS on a PC or a virtual machine for even more networking experiments!

We also include a free handy tool for centralized management of all your wireless MikroTik devices – the CAPsMAN. Unlike traditional controller software, CAPsMAN doesn’t require a separate device to run, it can use any existing RouterOS device in your network.

We have been making our own software since 1996. With each new version our priority remained the same: to provide users with the freedom to explore different setups and always have the right tools for the job. Without unnecessary paywalls.

## Specifications

|                                   |   |
|-----------------------------------|---|
| Product code                      | RBD53iG-5HacD2HnD   |
| CPU                               | 4 core IPQ-4019 716 MHz   |
| Number of 1GbE ports              | 5   |
| Number of 1GbE ports with PoE-out | 1   |
| Size of RAM                       | 256 MB  |
| Size of NAND                      | 128 MB  |
| Wireless                          | 2.4 GHz 802.11 b/g/n dual-chain, 5 GHz 802.11 a/n/ac dual-chain           |
| Wireless regulations              | Specific frequency range and power will be limited by country regulations |
| Wireless antenna max gain         | 2.4 GHz (3 dBi), 5 GHz (5.5 dBi)  |
| Antenna beam width                | 360°  |
| Dimensions                        | 251 x 129 x 39 mm   |
| Operating system                  | RouterOS, License level 4   |
| USB port                          | 1 USB port type A   |
| Operating temperature             | -40°C to +70°C  |

## Powering

|   |                                      |
|---|--------------------------------------|
| PoE-in                                    | Passive PoE                          |
| PoE-out *                                 | Passive PoE                          |
| Supported input voltage                   | DC jack (12 - 28 V) PoE-in (18-28 V) |
| Power adapter nominal voltage             | 24 V                                 |
| Power adapter nominal current             | 1.5 A                                |
| Max out per port output (input < 30 V)    | 0.5 A                                |
| Max power consumption without attachments | 12 W                                 |
| Max power consumption                     | 30 W                                 |

\* If PoE-out used, then input voltage (DC jack, PoE-in) should be  $\geq 24$  V

## Certification & Approvals

|               |             |
|---------------|-------------|
| Certification | CE, FCC, IC |
|---------------|-------------|

## Wireless specifications

| Rate (2.4 GHz) | Tx (dBm) | Rx (dBm) |
|----------------|----------|----------|
| 1Mbit/s        | 25       | -100     |
| 11Mbit/s       | 25       | -94      |
| 6Mbit/s        | 26       | -96      |
| 54Mbit/s       | 23       | -78      |
| MCS0           | 26       | -96      |
| MCS7           | 22       | -73      |

| Rate (5 GHz) | Tx (dBm) | Rx (dBm) |
|--------------|----------|----------|
| 6MBit/s      | 26       | -96      |
| 54MBit/s     | 22       | -80      |
| MCS0         | 26       | -96      |
| MCS7         | 21       | -75      |
| MCS9         | 19       | -70      |

## Included parts



24 V 1.5 A  
power adapter



Base leg  
and pads



K-47  
fastening set



HGO indoor  
antenna kit