





# hAP ax<sup>3</sup>


Our top-of-the-line AX home access point.


With all the processing power and speed  
your household might ever need.





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**POWERFUL 1.8 GHZ  
ARM CPU**
- 

**802.11AX + WAVE2**
- 

**STRONG DUAL-BAND,  
DUAL-CHAIN WIRELESS  
(UP TO 5.5 DBI!)**
- 

**4X GIGABIT  
ETHERNET PORTS**
- 

**POE-IN & POE-OUT**
- 

**WPA3**

## Ultimate power for your whole home

**hAP ax<sup>3</sup>** is our most powerful AX device with the best wireless network coverage so far. It features a modern **quad-core ARM CPU** running at 1.8 GHz and enough memory (**1GB RAM + 128 MB NAND**) for most tasks. Complex firewall rules, IPsec hardware encryption, Wireguard, BGP, advanced routing, or multiple remote work VPN tunnels won't stop your family from comfortable browsing, streaming, gaming, and so on. There's enough processing power for everyone. And we've added a speedy **USB 3** port for all your storage purposes or an additional LTE modem.



## AX wireless – as strong as an ox

Depending on your overall setup, our AX product family offers up to 40% higher speed in the 5 GHz and up to **90% higher speed** in the 2.4 GHz spectrum! Potent external antennas allow reaching gain up to 5.5 dBi, so you can forget about Wi-Fi Boosters and other tricks. **Smooth and fast connectivity for your whole apartment** – that's just how **hAP ax<sup>3</sup>** works.

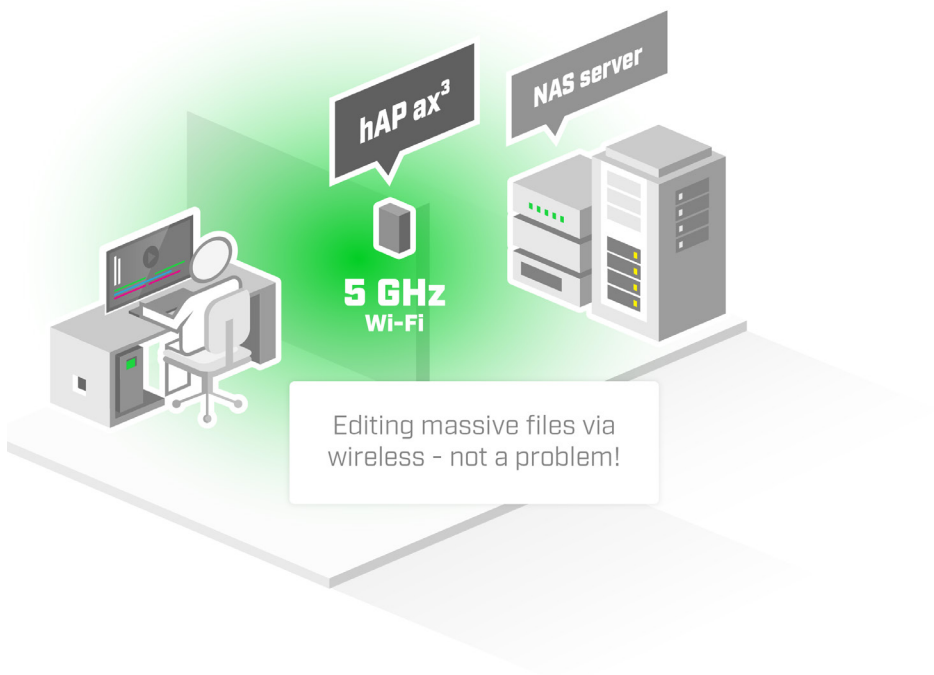
Home network speeds are getting serious. There are **4x Gigabit Ethernet** ports and an **ultra-fast 2.5 Gigabit port**.



## Safer in many ways

**hAP ax<sup>3</sup>** can ease your mind on multiple levels simultaneously. **European-based production**, our famous Northern work ethic, and cooperation with the EU lawmakers ensure full compliance with all the necessary safety policies. **Multiple power options** (DC Jack & PoE-in) result in fewer worries about potential downtime. The latest RouterOS v7 updates and the addition of **WPA3 advanced encryption** support bring unprecedented software security.

To sum things up - **hAP ax<sup>3</sup>** is among **the fastest, safest, and most powerful choices in the home access point world**. Wired or wireless. And it comes with the most advanced networking software on the market – RouterOS. Unlike many other vendors, we don't limit what you can do. There are no paywalls or confusing subscriptions. All our devices share the same limitless operating system. **Imagination is the only limitation.**



Some might ask – why do we even need higher wireless speeds? Well, countless use cases have been previously impossible or difficult to pull off. For example, working with large media files over the wireless network – without the need to download and upload everything. Do you really have the time to wait? Grab a hAP ax<sup>3</sup> and save more time for the essential things in life!



## • Specifications

|                               |   |
|-------------------------------|---|
| Product code                  | C53UiG+5HPaxD2HPaxD   |
| CPU                           | Quad-Core IPQ-6010 1.8 GHz  |
| CPU architecture              | ARM 64bit   |
| Size of RAM                   | 1 GB  |
| Storage                       | 128 MB, NAND  |
| Number of 1G Ethernet ports   | 4   |
| Number of 2.5G Ethernet ports | 1 (supports PoE-in/out)   |
| USB                           | 1 USB 3 type A  |
| Switch chip model             | IPQ-6010  |
| Wireless interface model      | QCN-5022 (2.4 GHz), QCN-5052 (5 GHz)                                |
| Wireless                      | 2.4 GHz 802.11b/g/n/ax dual-chain, 5 GHz 802.11a/n/ac/ax dual-chain |
| Wireless antenna max gain     | 2.4 GHz (3.3 dBi), 5 GHz (5.5 dBi)                                  |
| Dimensions                    | 251 x 130 x 39 mm   |
| Operating system              | RouterOS, License level 6   |
| Operating temperature         | -20°C to +70°C  |

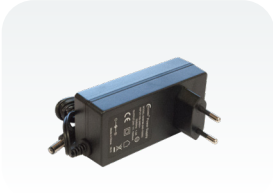
## • Powering

|   |   |
|---|---|
| Number of DC inputs                         | 2 (PoE-in, DC jack)   |
| PoE-in input Voltage                        | 18-28 V   |
| DC jack input Voltage                       | 12-28 V   |
| PoE-out                                     | Passive PoE Ether1, max out per port output (input < 30 V): 0.625 A |
| PoE-out total output power                  | 15 W  |
| Power adapter nominal voltage               | 24 V  |
| Power adapter nominal current               | 1.5 A   |
| Max power consumption (without attachments) | 15 W  |
| Max power consumption                       | 38 W  |

## • Wireless specifications

| Rate (2.4 GHz) | Tx (dBm) | Rx (dBm) | Rate (5 GHz) | Tx (dBm) | Rx (dBm) |
|----------------|----------|----------|--------------|----------|----------|
| 1MBit/s        | 27       | -100     | 6MBit/s      | 28       | -96      |
| 11MBit/s       | 27       | -94      | 54MBit/s     | 26       | -80      |
| 6MBit/s        | 29       | -96      | MCS0         | 28       | -96      |
| 54MBit/s       | 27       | -80      | MCS7         | 25       | -75      |
| MCS0           | 29       | -96      | MCS9         | 23       | -70      |
| MCS7           | 26       | -75      | MCS11        | 20       | -67      |
| MCS9           | 24       | -70      |              |          |          |
| MCS11          | 22       | -67      |              |          |          |

• Included parts



24 V 1.5 A  
power adapter



Fastening  
set



HGO indoor  
antenna kit



Case base