MIKROTIK

hAP ax³

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

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



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

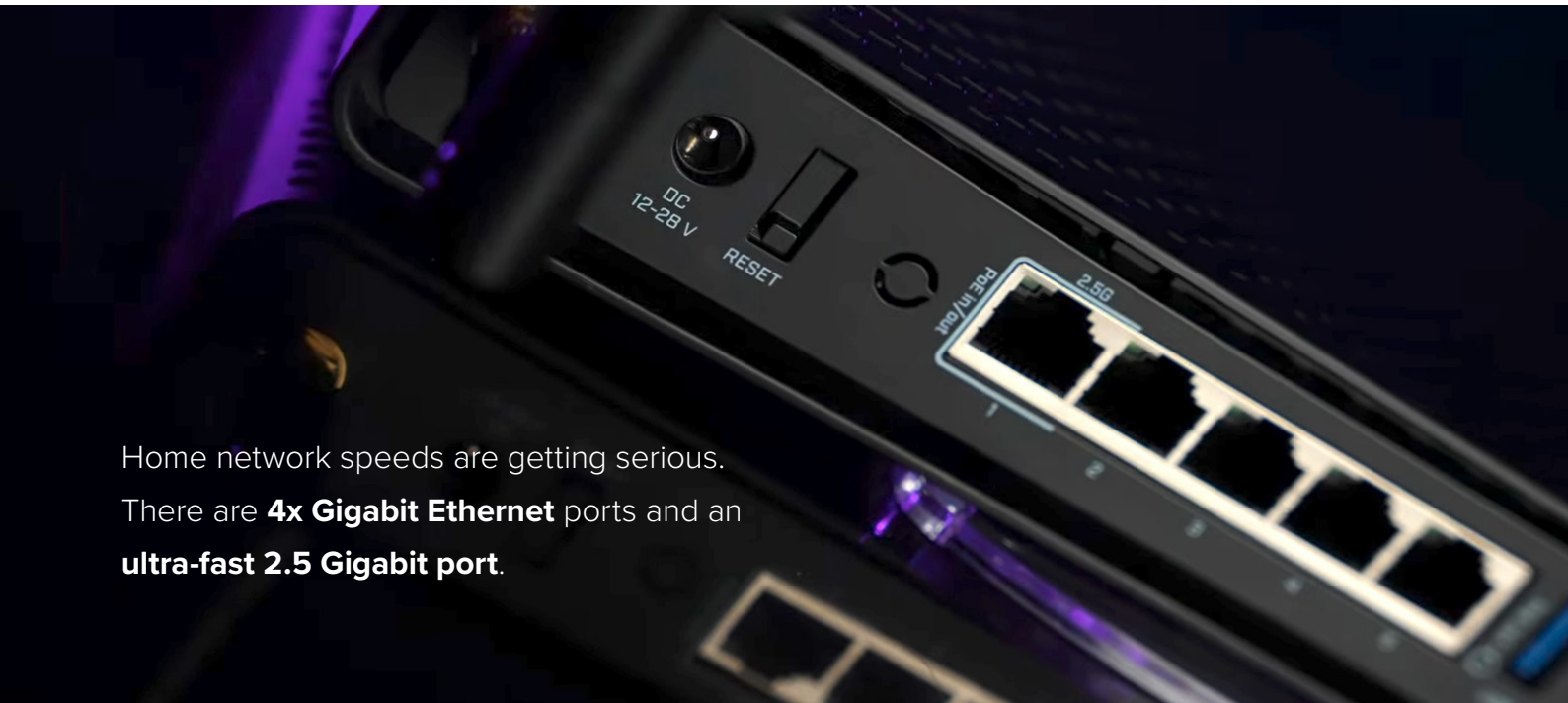
hAP ax³ is our most powerful AX device with the best wireless network coverage so far. It features a modern **quad-core ARM CPU** running at 1.8 GHz and enough memory (**1GB RAM + 128 MB NAND**) for most tasks. Complex firewall rules, IPsec hardware encryption, Wireguard, BGP, advanced routing, or multiple 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 (via built-in RP-SMA female ports) 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 ax³** works.

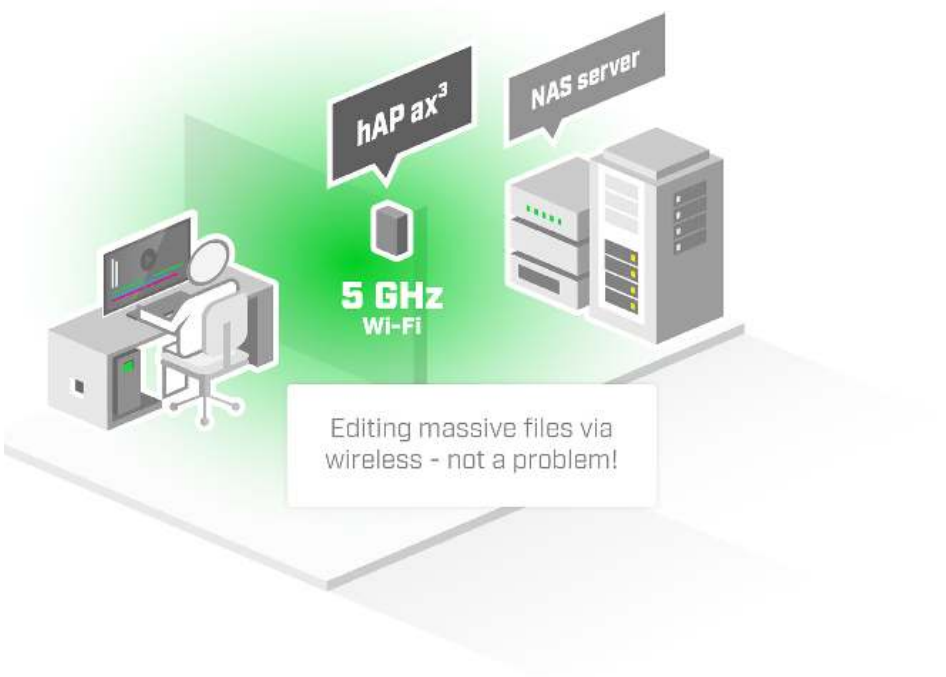


Home network speeds are getting serious. There are **4x Gigabit Ethernet** ports and an **ultra-fast 2.5 Gigabit port**.

Safer in many ways

hAP ax³ 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 ax³** 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 ax³ 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
Antenna connector	RP-SMA female
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)
1MBit/s	27	-100
11MBit/s	27	-94
6MBit/s	29	-96
54MBit/s	27	-80
MCS0	29	-96
MCS7	26	-75
MCS9	24	-70
MCS11	22	-67

Rate (5 GHz)	Tx (dBm)	Rx (dBm)
6MBit/s	28	-96
54MBit/s	26	-80
MCS0	28	-96
MCS7	25	-75
MCS9	23	-70
MCS11	20	-67

Included parts



24 V 1.5 A
power adapter



Fastening
set



HGO indoor
antenna kit



Case base