MIKROTIK

hAP ax²

The next generation of home access point perfection.

Futuristic design. Classic value.

- POWERFUL QUAD-CORE ARM CPU
- 802.11AX + WAVE2
- STRONG DUAL-BAND, DUAL-CHAIN WIRELESS (4-4.5 DBI)
- 5X GIGABIT ETHERNET PORTS
- POE-OUT
- DIFFERENT MOUNTING OPTIONS
- WPA3

THE SMALLEST FULLY-FLEDGED AX ROUTER ON THE MARKET!

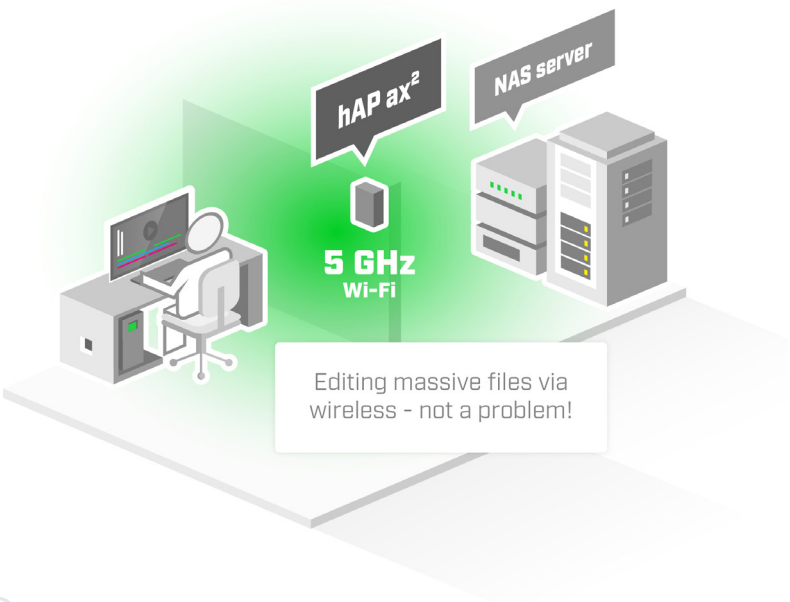
Like the previous models, hAP ax² can be mounted vertically, horizontally, or even on the wall – without sacrificing the strong signal.

We did our best to create the smallest dual-band AX router on the market. Enjoy next-level connectivity without giant, obtrusive devices that take up way too much space!

It's time to supercharge your home network with the Generation 6 wireless network and our latest addition to the beloved hAP series. hAP ax^2 has everything you might need in a primary home access point – and more! Forget endless reviews and comparisons – this is the perfect device for 99% of homes.

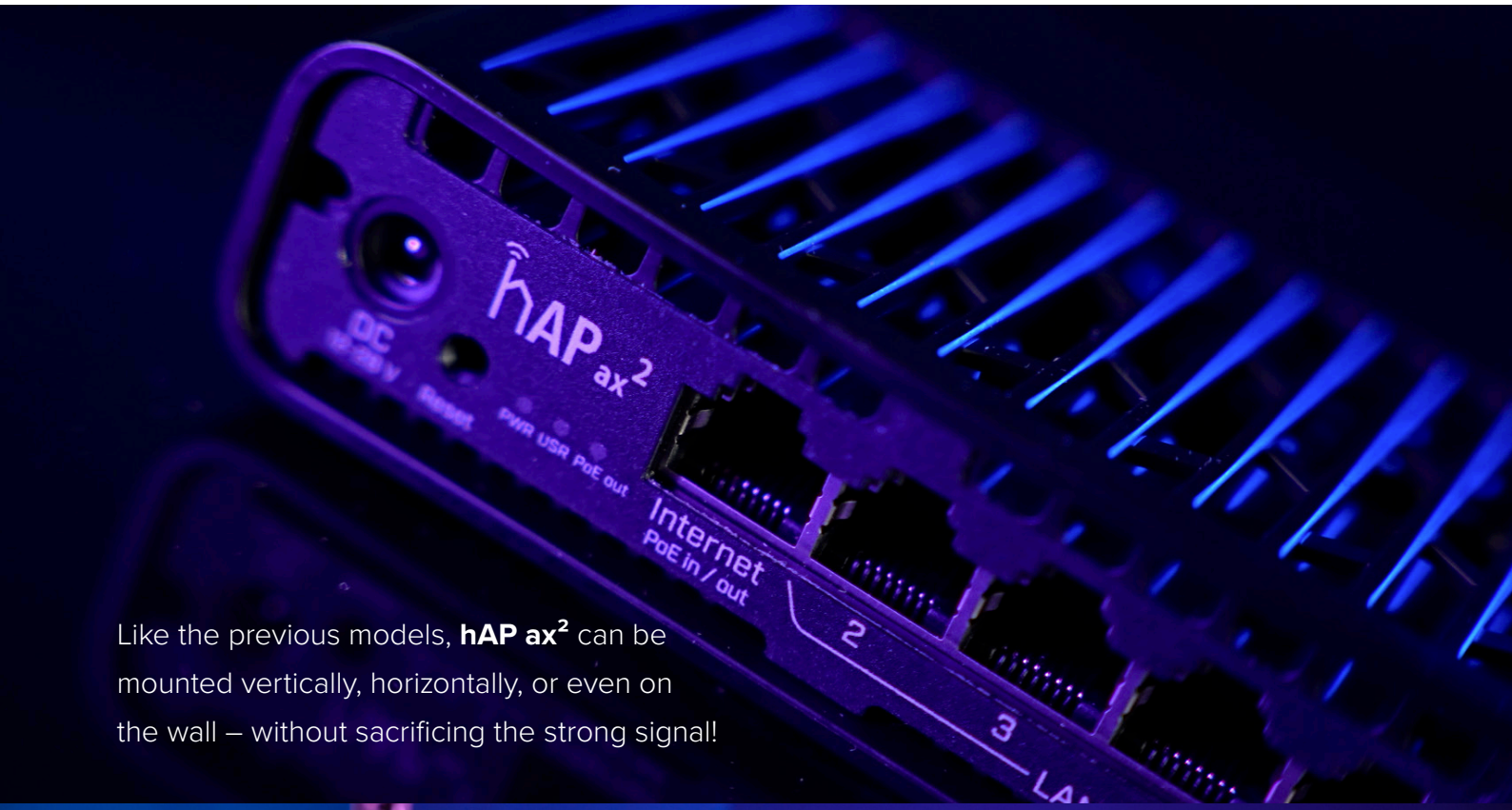
Wireless signal is now stronger than ever. *Here are the two main ingredients of hAP ax's success: a state-of-the-art dual-band, dual-chain 4-4.5 dBi radio, and the 802.11ax standard with Wave2 support. Let's compare it to the previous generation: depending on your overall setup, that means up to 40% higher speed in the 5 GHz and up to 90% higher speed in the 2.4 GHz spectrum!*

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^2 and save more time for the essential things in life!



The wireless interface supports 802.11ax and is backward compatible with older wireless standards. Older client devices that only support 802.11ac will still benefit from multiple additional 802.11ac Wave 2 features, such as MU-MIMO and explicit beamforming.

The modern quad-core CPU running at 864 MHz combined with a solid GB of RAM packs a hefty punch when it comes to heavy operations like **complex firewall rules, IPsec hardware encryption, using more threads** or experimenting with the most advanced RouterOS features. And with the addition of WPA3 advanced encryption support, you're safer than ever before.



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With so many products and features on the market, even an experienced user can become confused. So it's time for a **simple truth for a simple choice**: you can't go wrong with a **hAP ax²** in most homes.

Specifications

Product code	C52iG-5HaxD2HaxD-TC
CPU	Quad-Core IPQ-6010 864 MHz
CPU architecture	ARM 64bit
Size of RAM	1 GB
Storage	128 MB, NAND
Number of 1G Ethernet ports	5
Number of 1G Ethernet ports with PoE-out	1
Switch chip model	IPQ-6010
Wireless interface model	QCN-5052 (2.4 GHz), QCN-5052 (5 GHz)
Wireless	2.4 GHz 802.11ax dual-chain, 5 GHz 802.11 802.11ax dual-chain
Wireless antenna max gain	2.4 GHz (4.5 dBi), 5 GHz (4 dBi)
Dimensions	120 x 101 x 37 mm
Operating system	RouterOS, License level 4
Operating temperature	-40°C to +50°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): 600mA
Max total out	0.6 A
Total output power	16.8 W
Power adapter nominal voltage	24 V
Power adapter nominal current	1.2 A
Max power consumption (without attachments)	12 W
Max power consumption	27 W

Wireless specifications

Rate (2.4 GHz)	Tx (dBm)	Rx (dBm)
1MBit/s	22	-100
11MBit/s	22	-94
6MBit/s	24	-96
54MBit/s	22	-80
MCS0	24	-96
MCS7	21	-75
MCS9	19	-70
MCS11	17	-67

Rate (5 GHz)	Tx (dBm)	Rx (dBm)
6MBit/s	23	-96
54MBit/s	20	-80
MCS0	22	-96
MCS7	19	-75
MCS9	17	-70
MCS11	15	-67

Included parts

24 V 1.2 A
power adapter

Fastening
set

Case base