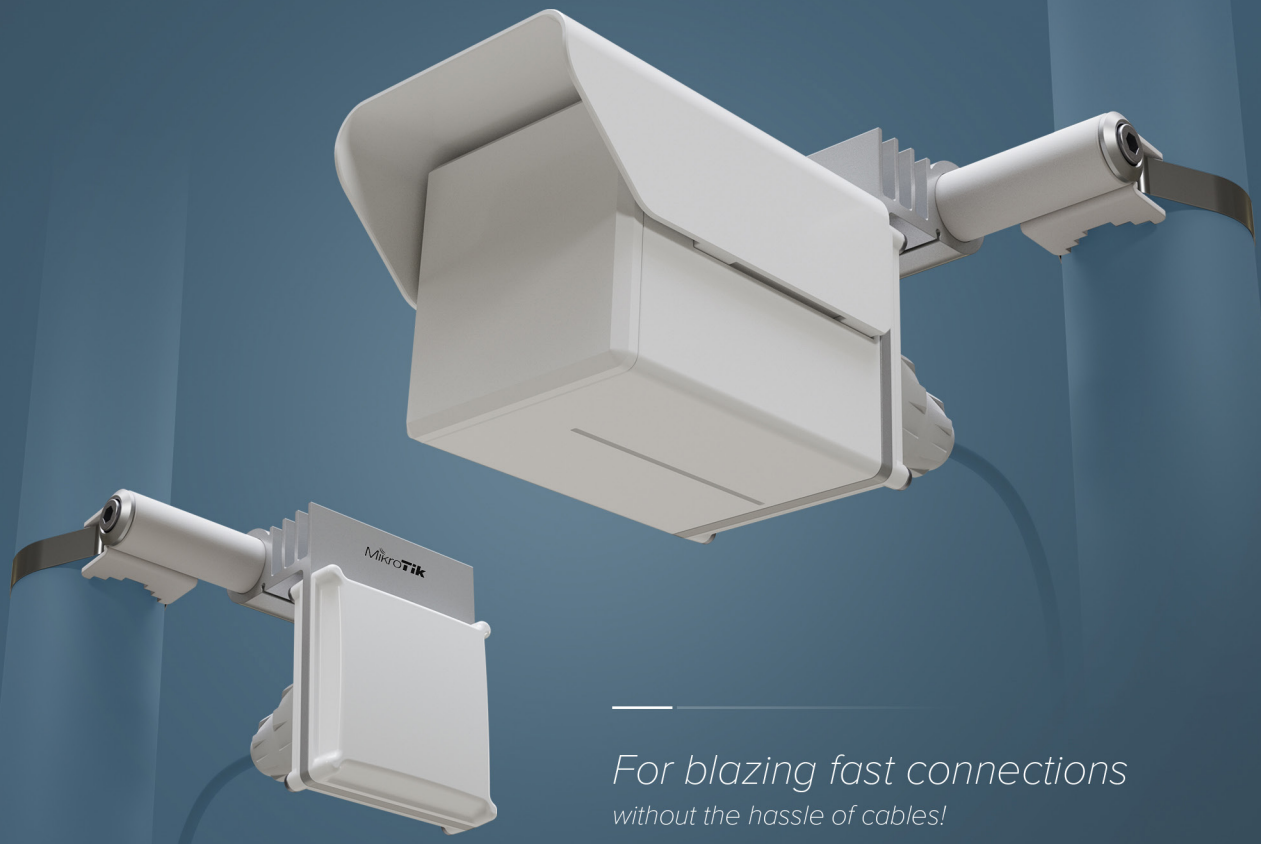
MIKROTIK

MikroTik 802.11ay is here:

enjoy a smooth 60 GHz experience with
Cube 60Pro ac and **CubeSA 60Pro ac**!



For blazing fast connections
without the hassle of cables!

- Gigabit Ethernet
- Powerful quad-core CPU
- 5 GHz failover
- Reach greater distance than ever with channel 5 support
- Improved design and mounting options
- 60 GHz 802.11ay, compatible with previous 802.11ad products

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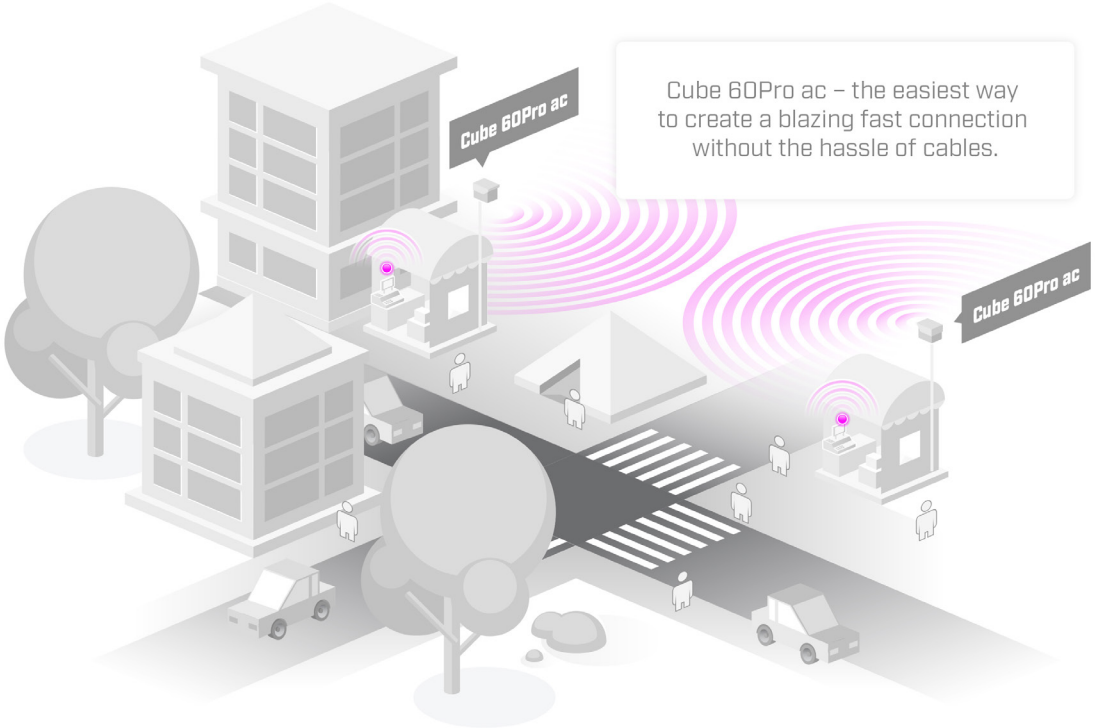
Cube 60Pro ac

Long gone are the days when you had to rely on cables for speed and stability. 60 GHz solutions offer fiber-like speed and stability - while saving you plenty of time and money on installation and maintenance. Our latest Cube 60Pro product line is taking the advantages of 60 GHz networking to the next level – with the **802.11ay standard** for even higher distances, stability, speed, and convenience.

The **Cube 60Pro ac** CPE allows you to establish ultra-fast point-to-point connections over distances as far as 1 km. And that's not all – we have added Channel 5* support, so you can reach even higher distances if necessary. In our tests, the **Cube 60Pro ac** easily maintained a reliable connection over 2.4 km. Bridging two locations has never been easier!

You can get a preconfigured kit of two Cube 60Pro ac devices: the **Wireless Wire Cube Pro**. Just point the Cubes at one another and power them on! They will form a blazing fast encrypted wireless connection. Pure plug-and-play!



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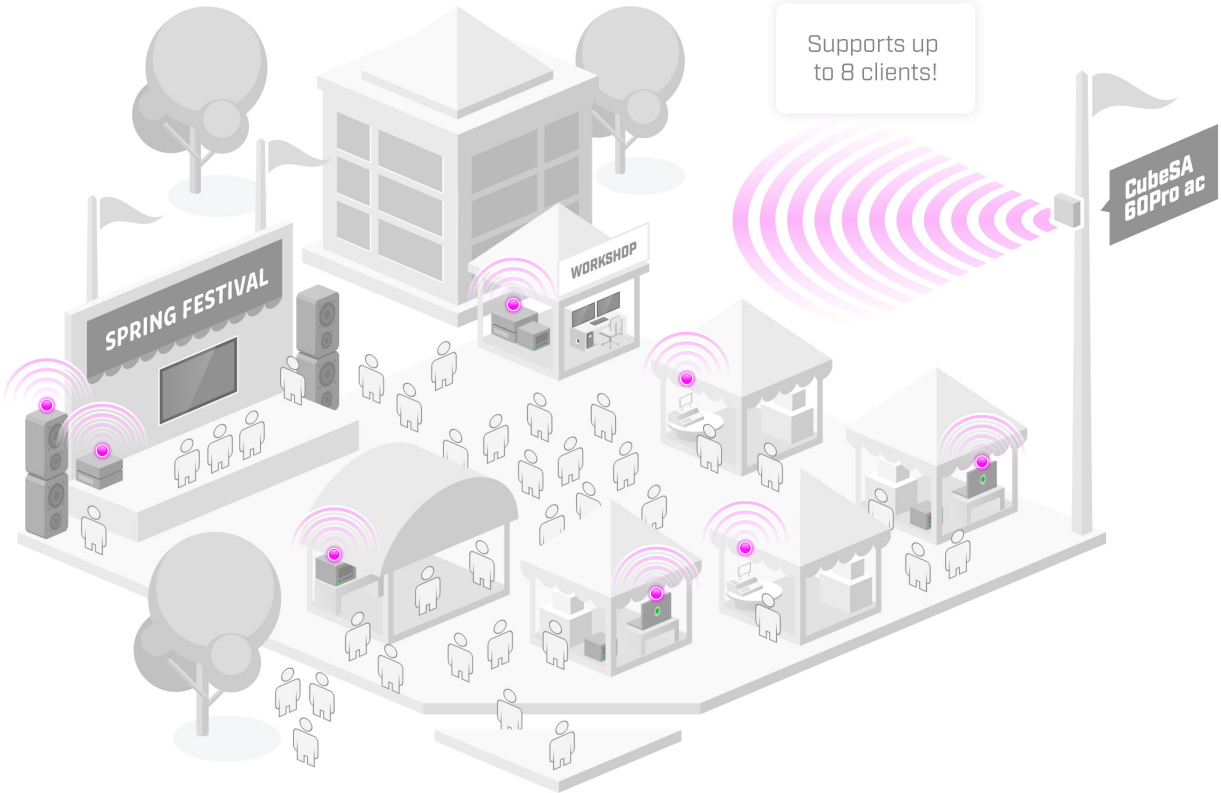
CubeSA 60Pro ac

If you need to connect multiple devices – take a look at the **CubeSA 60Pro ac** sector antenna. Reaching distances around 600 meters in point-to-multipoint mode, this device can be very helpful for all kinds of event management: from live shows, festivals, and workshops to construction sites, pop-up vaccination clinics, and so on. No need for complex wired installations in every location – the portable and handy **CubeSA 60Pro ac** has got you covered! Depending on your setup, the distance can be even greater. For example, with devices like MikroTik nRAY, you can reach up to 800 meters.

Strong metal base for improved cooling and



With the CubeSA 60Pro ac sector antenna you can quickly provide a powerful wireless network for all kinds of pop-up events. Don't spend your time on laying extra cables or setting up numerous access points – a single CubeSA 60Pro ac will do the trick!

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Forget about downtime with the automatic 5 GHz backup connection

The 60 GHz frequency is unaffected by the crowded wireless spectrum, it offers high speed and capacity. But it can sometimes struggle during bad weather conditions. That's why both Cube 60Pro devices feature an automatic 5 GHz failover. We have added a powerful directional antenna so that the 5 GHz range can keep up with the 60 GHz.

More durability, less unwanted attention

We have upgraded the enclosure to feature a strong metal base – for better mounting and cooling options. The Cube form-factor emerges from pure practicality: it is durable, unobtrusive, and compact.

Specifications

Product code	CubeG-5ac60ay / CubeG-5ac60ay-SA
CPU	4 core IPQ-4019 716 MHz
Size of RAM	256 MB
Storage	64 MB flash
Number of 1G Ethernet ports	1
Wireless	5 GHz 802.11a/n/ac
Wireless Chains	1
Antenna gain (dBi)	11.5 5 GHz
Antenna beam width	35° 5 GHz
Antenna beam width at 60 GHz	11° (CubeG-5ac60ay); 60° (CubeG-5ac60ay-SA)
GPS	MT3337V
WiGig chipset	QCA6438
WiGig antenna module	SWL-QD46
Supported protocol	MikroTik 802.11ad / 802.11ay
Max EIRP (dBm)	40
Dimensions	115 x 95 x 82 mm (CubeG-5ac60ay) 115 x 211 x 90 mm (Cube G-5ac60ay-SA)
Operating temperature	-40°C to +70°C
Operating system	RouterOS, License level 4

Certification & Approvals

Certification	CE, FCC, IC

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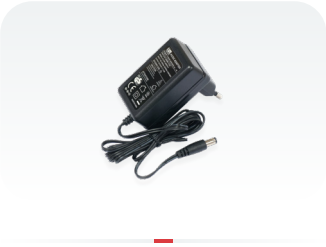
Powering

PoE-in	802.3af/at
Supported input voltage	18-57 V
Power adapter nominal voltage	24 V
Power adapter nominal current	0.8 A
Max power consumption	13 W

Wireless specifications

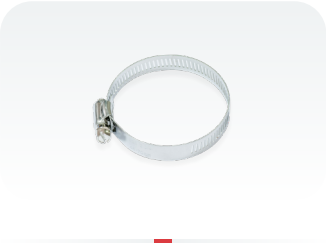
Rate (5 GHz)	Tx (dBm)	Rx (dBm)
6MBit/s	22	-93
54MBit/s	18	-74
MCS0	22	-93
MCS7	17	-71
MCS9	15	-68

Included parts



24 V 0.8 A
power adapter

PoE
injector



Hose
clamp

Cube
mount

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