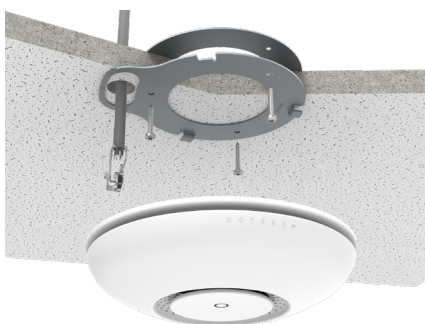# cAP ac

The cAP ac is a very capable and powerful wireless access point that looks beautiful on both walls and ceilings. The concurrent dual band wireless radio supports dual chain 2 GHz and 5 GHz in 802.11ac and legacy standards, and will provide coverage in 360 degrees around it.

Even though the radio supports repeater mode, the two Ethernet ports give you the ability to extend your network with cables, even if PoE power is required, since the cAP ac supports 802.3af/at PoE input on the first port, and passive PoE output on the second port.

The cAP ac is a feature packed device with a sleek enclosure, that can become inconspicuous with the push of a button - the customizable mode button in the device center will turn off all lights and sounds at it's default configuration, but can be reconfigured to launch any RouterOS script.

The device comes bundled with two enclosures, so you can choose the design you like best.

24 V 1.2 A power adapter

Ceiling mount
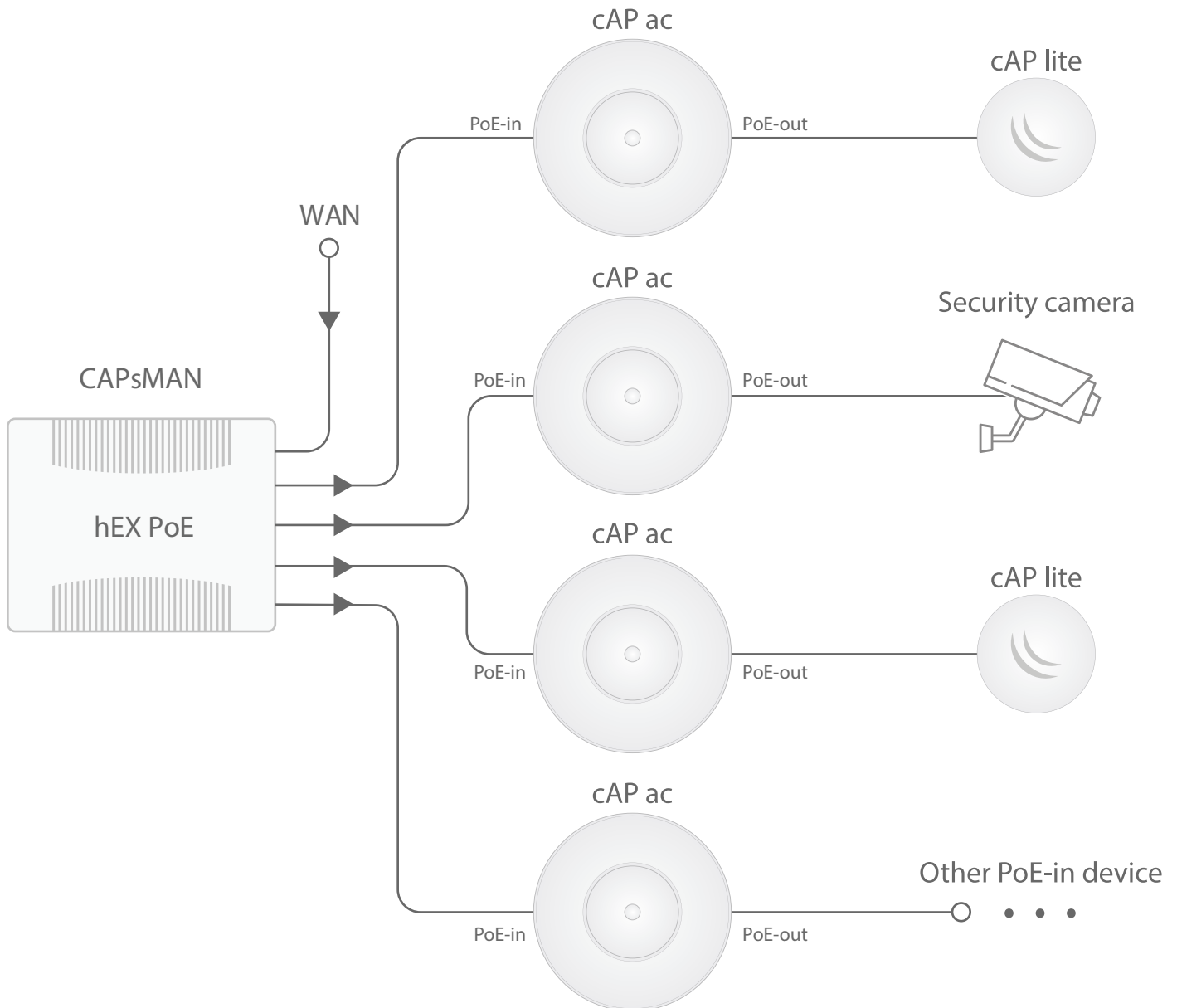
Gigabit PoE injector

K-46 screw kit

Specifications

Product code	RBcAPGi-5acD2nD (International) RBcAPGi-5acD2nD-US (USA)
CPU	IPQ-4018
CPU nominal frequency	716 MHz
Memory	128 MB
Storage type	Flash
Storage size	16 MB
10/100/1000 Ethernet ports	2
Wireless	2.4 GHz	5 GHz
Wireless regulations	Specific frequency range may be limited by country regulations

Operating frequency				
	International	2412 - 2484 MHz	International	5150 - 5875 MHz
	USA	2412 - 2462 MHz	USA	5170 - 5250 MHz 5725 - 5835 MHz

Protocols	802.11b/g/n	802.11ac
Number of chains	2	2
Antenna gain	2 dBi	2.5 dBi
Wireless regulations	Specific frequency range may be limited by country regulations	
Power options	PoE-in 802.3af/at, PoE-out (Passive, Ethernet port 2), 17-57 V	
Consumption	13 W	
Dimensions	Round case: ⌀ 136 mm, height: 30 mm; Square case: 145 mm x 145 mm x 30 mm	
Operating temperature	-40°C .. +70°C tested	
LEDs	7x LEDs (1x user LED)	
License level	4	
Operating system	RouterOS	

Wireless specifications

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

Rate (5 GHz)	Tx	Rx
6MBit/s	26	-96
54MBit/s	21	-80
MCS0	26	-96
MCS7	20	-75
MCS9	18	-70

Network example

The cAP ac is equipped with two Ethernet ports, allowing you to connect another device, to further extend your network. What's more, the second Etherner port supports 802.3af/at PoE output, so it can power a wide variety of RouterBOARDs and other devices, like IP cameras. In the following scenario, you can use a central hEX PoE device to power all your cAP ac units, and then have cAP lite units connected to provide even better coverage. The hEX PoE can even be used as a CAPsMAN server, so you can easily manage all your access points, and control all their settings in a single device.