

WIRELESS CORE-BASE VERSION

CH-WMP-COR-100
v1.0.0



Product specification:	
Wireless smart home controller, supports the RF, Zigbee 3.0, Z-Wave and Wi-Fi protocols	
Protocol	Zigbee 3.0 / Z-Wave
Network interface	WAN/LAN.
USB	USB 2.0
SD card	128 GB (1 pcs)
Indicator LED lights (RGB)	1). Power & Battery LED 2). Wireless LED 3). LTE indicator
Supported protocols	Zigbee 3.0 ,Z-Wave,Bluetooth 5.2 ,Wi-Fi 2.4G/5G
Aerial antenna	Zigbee/BLE: PCB Antenna Z-Wave/Wi-Fi: FPC Antenna
RTC	Real-time, built-in clock with battery power supply
Hardware encryption	ECC608
Power consumption	500 mA@5V
CPU	Quad-core Cortex A35
RAM	2 GB
eMMC	8 GB

Zigbee 3.0				
Technical parameters	Value			Unit
	Min	Default	Max	
Range	100			m
Low frequency	2400			Mhz
High frequency			2483,5	Mhz
Modulation			OQPSK	
Transmitter output	17,5			dBm
Receiver sensitivity	-94			dBm
Broadband	5			Mhz

Z-Wave				
Technical parameters	Value			Unit
	Min	Default	Max	
Range	100			m
Frequency			916	Mhz
Transmitter output			13	dBm
Receiver sensitivity			97,5	dBm

Bluetooth				
Technical parameters	Value			Unit
	Min	Default	Max	
Range	150			
Low frequency	2400			
High frequency			2483,5	
Modulation			GFSK	
Transmitter output	19,5			dBm
Receiver sensitivity	-80			
Broadband			2	Mhz

LoraWAN (optional)				
Technical parameters	Value			Unit
	Min	Default	Max	
Frekvencia támogatás		RU864, IN865, EU868, US915, AU915, KR920, AS923		
Transzmitter kimeneti telj.			27	dBm
Vevő érzékenysége			-139	dBm

Environmental characteristics	
IP protection	IP22
Working temperature	-10°C - +60°C

Logistics data	
Weight	481g
Size	180x180x77 mm



CE certificate number:
 AOC RSHA211201004-03

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Product available at:



Wiring plan

