

Operational description

The main function of CPE5450 kit is to transmit video or internet signal, to extend video or internet signal indoor. The devices are pre-configured as a pair, and when one unit is connected to video or internet, the other unit can receive the video and connect DVR to display, or can connect internet accordingly.

A complete set CPE5450 consists of two parts. They are named CPE5450 Master and CPE5450 Slave

CPU and RFIC(U13): Realtek RTL8881AN,

Frequency: 5.150GHz ~ 5.840GHz

Power: 24V1A POE or DC12V1A

Crystal(AX3): 40MHz

Antenna(ANT03): i-PEX 14dBi gain

Modulation: OFDM

Application: Point-to-Point, indoor

Equipment	Wireless Bridge
Brand Name	QWnet
Test Model	CPE5450
Series Model	CPE5450 Master, CPE5450 Slave, CPE5450CD, CPE5450AP, CPE5450FIT, CPE80R, CPE5300, 1200AP
Model Difference(s)	Only differ in model name.
Hardware Version	V5.0
Software Version	V3.0
Power Source	Supplied from POE Adapter. Model: GRT-POE15-240100
Power Rating	I/P: AC 100-240V 50/60Hz O/P: DC 24V  1000mA
Operation Frequency	UNII-1: 5150 MHz ~ 5250 MHz UNII-3: 5725 MHz ~ 5850 MHz
Modulation Type	OFDM
Bit Rate of Transmitter	Up to 450 Mbps
Maximum Output Power for UNII-1	IEEE 802.11a: 21.91 dBm (0.1552 W) IEEE 802.11n (HT20): 21.99 dBm (0.1581 W) IEEE 802.11n (HT40): 21.81 dBm (0.1517 W) IEEE 802.11ac (VHT20): 21.50 dBm (0.1413 W) IEEE 802.11ac (VHT40): 21.80 dBm (0.1514 W) IEEE 802.11ac (VHT80): 21.71 dBm (0.1483 W)
Maximum Output Power for UNII-3	IEEE 802.11a: 21.94 dBm (0.1563 W) IEEE 802.11n (HT20): 21.80 dBm (0.1514 W) IEEE 802.11n (HT40): 21.92 dBm (0.1556 W) IEEE 802.11ac (VHT20): 21.98 dBm (0.1578 W) IEEE 802.11ac (VHT40): 21.97 dBm (0.1574 W) IEEE 802.11ac (VHT80): 21.91 dBm (0.1552 W)