

# HR-CPE30A-1 Wireless Digital Bridge



## Product Highlights

- 1\* 10/100Mbps PoE port
- Supporting IP65 protection level shell design, easily adapting to various harsh outdoor environments;
- Supports 24V PoE remote power supply and DC 12V local power supply,
- Supports 802.11b/g/n WiFi 300M wireless transmission,
- Paired with high gain antennas, the transmission distance can reach 1km in an open and unobstructed environment;
- Supports wall mounted and pole mounted installation methods, with simple construction;
- Maximum support point to eight point interconnection;

Specifications

Hardware Features & Performance

Model	HR-CPE30A-1
Wireless Technology	802.11b/g/n 300Mbps MIMO technology
Interface	LAN 1* 10/100Mbps adaptive RJ45 port DC power interface, suitable for connecting power plugs with an outer diameter of 5.5mm and an inner diameter of 2.1mm and a length of 9.5mm or more
Button	Reset to factory/digital composite button, short press to adjust digital tube value, long press for 5 seconds to restore factory settings
Indicator Light	PWR power indicator light, LAN port status indicator light SIG1/SIG2/SIG3 signal strength indicator light, digital tube
Antenna	Built in dual polarized 8dBi directional plate antenna (horizontal lobe angle 90 °, vertical lobe angle 90 °)
Power supply	24V/0.5A PoE remote power supply DC 12V/1A, external positive and internal negative
Structure Information	Product Dimensions:140*75*34mm Packaging Dimensions:145*196*90mm Product Net Weight:0.15kg Product Gross Weight:0.65kg
Packing Information	Carton Dimensions:465*310*425mm Packing Quantity: 20pair Packing Weight: 14.06kg
Package Contents	Wireless Digital Bridge*1, 24V PoE power adapter * 1, plastic clamp * 2,Ethernet cable * 1, manual (including warranty card)*1
Installation	Pole mounted installation
Operating Temperature	-30℃~55℃
Storage Temperature	-40℃ to 70℃
Operation Humidity	10%~90%, non condensing
Storage Humidity	5%~95%, non condensing

Hardware Features&Performance	
Frequency Range	802.11b/g/n:2.4~2.4835GHz
Channel Distribution	1、 2、 3、 4、 5、 6、 7、 8、 9、 10、 11、 12、 13
Modulation Mode	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM)
Transmission Speed	11b maximum 11Mbps, 11g maximum 54Mbps, 11n maximum 300Mbps
Receiving Sensitivity	11b: $\leq -90\pm 1.5\text{dBm}$ @1Mbps, $\leq -84\pm 1.5\text{dBm}$ @11Mbps 11g: $\leq -86\pm 1.5\text{dBm}$ @6Mbps, $\leq -69\pm 1.5\text{dBm}$ @54Mbps 11n 20MHz: $\leq -85\pm 1.5\text{dBm}$ @MCS0, $\leq -67\pm 1.5\text{dBm}$ @MCS7 11n 40MHz: $\leq -82\pm 1.5\text{dBm}$ @MCS0, $\leq -64\pm 1.5\text{dBm}$ @MCS7
Transmission Power	11b: $\geq 17\pm 1.5\text{dBm}$ @11Mbps 11g: $\geq 15\text{dBm}\pm 1.5\text{dBm}$ @54Mbps 11n: $\geq 14\text{dBm}\pm 1.5\text{dBm}$ @MCS7
Transmission Distance	1km

Software Features&Performance	
Working Mode	Bridge access point, bridge client
Networking Method	Point to point, point to many points (within eight points)
Management Style	Chinese and English WEB management
State	System status, bridge status, interface status
Bridge Configuration	Wireless mode: Bridge access point/Bridge client Bridge access point: bridging SSID, bridging password, wireless protocol, wireless bandwidth, wireless channel, wireless power Bridge client: bridging SSID, encryption method, bridging password, peer MAC address, wireless channel, wireless power
Network Settings	Address acquisition method: automatic acquisition/static IP IP address, subnet mask, gateway, DNS1, DNS2
System Management	System debugging, password modification, restart/reset/upgrade

Product Structure Diagram

