

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°C~55°C
Storage Temperature	-40°C to 70°C
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 WEB remote management/local centralized management platform batch 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

