HR-CPE45A-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 802.11a/n/ac WiFi 450Mbps 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-CPE45A-1
Wireless Technology	802.11a/n/ac 450Mbps 1T1R technology
Interface	LAN 1* 10/100Mbps adaptive RJ45 port
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, ETH RJ45 port status indicator light SIG1/SIG2/SIG3/SIG4 signal strength indicator light, digital tube
Antenna	Built in dual polarized 8dBi directional plate antenna (horizontal lobe angle 65 °, vertical lobe angle 30 °)
Power supply	24V/0.5A PoE remote power supply
Structure Information	Product Dimensions :180*90*40mm Packaging Dimensions :210*183*70mm Product Net Weight:0.15kg Product Gross Weight:0.65kg
Packing Information	Carton Dimensions :432*390.5*380mm 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

Datasheet

Hardware Features & Performance

Frequency Range	5G: UNII-1: 5.15~5.35GHz UNII-2: 5.47~5.725GHz UNII-3: 5.725~5.825GHz
Channel Distribution	36、40、44、48、52、60、64、149、153、157、161、165
Modulation Mode	802.11a: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM) 802.11ac: OFDM (BPSK, QPSK,64-QAM, 256-QAM)
Transmission Speed	11a maximum 54Mbps, 11n maximum 144Mbps, 11ac maximum 450Mbps
Receiving Sensitivity	11a: ≤-86±1.5dBm @6Mbps，≤-69±1.5dBm @54Mbps 11n 20MHz: ≤-85±1.5dBm@MCS0，≤-67±1.5dBm @MCS7 11n 40MHz: ≤-82±1.5dBm @MCS0，≤-64±1.5dBm @MCS7 11ac 20MHz: ≤-84±1.5dBm @MCS0，≤-59±1.5dBm @MCS8 11ac 40MHz: ≤-82±1.5dBm @MCS0，≤-56±1.5dBm @MCS9 11ac 80MHz: ≤-78±1.5dBm @MCS0，≤-52±1.5dBm @MCS9
Transmission Power	11a: 17dBm±1.5dBm@54Mbps 11n(20/40MHz): 15dBm±1.5dBm@MCS7 11ac(40/80MHz): 14dBm±1.5dBm@MCS9
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

180mm

90mm

40mm

30mm