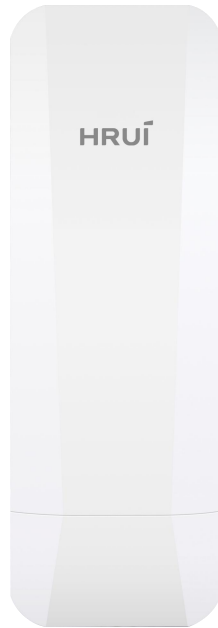


HR-CPE90B-5 Wireless Digital Bridge



Product Highlights

- 1 *100/1000Mbps 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 900Mbps wireless transmission
- Paired with high gain antennas, the transmission distance can reach 5km 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-CPE90B-5
Wireless Technology	802.11a/n/ac 900Mbps 2T2R technology
Interface	WAN/LAN * 1 10/100/1000Mbps adaptive network 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 6 seconds to restore factory settings
Indicator Light	PWR power indicator light, ETH network port status indicator light SIG1/SIG2/SIG3/SIG4 signal strength indicator light, digital tube
Antenna	Built in dual polarization 14dBi directional plate antenna (horizontal lobe angle 60°, vertical lobe angle 60°)
Power supply	24V/1A PoE remote power supply DC 12V/1A, external positive and internal negative
Structure Information	Product Dimensions :258*90*56.4mm Packaging Dimensions :280*96*96mm Product Net Weight:0.35kg Product Gross Weight:0.7kg
Packing Information	Carton Dimensions :522*298*410mm Packing Quantity: 20PCS Packing Weight: 15kg
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	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 300Mbps,11ac maximum 900Mbps
Receiving Sensitivity	11a: $\leq -86 \pm 1.5\text{dBm}$ @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 11ac 20MHz: $\leq -84 \pm 1.5\text{dBm}$ @MCS0, $\leq -59 \pm 1.5\text{dBm}$ @MCS8 11ac 40MHz: $\leq -82 \pm 1.5\text{dBm}$ @MCS0, $\leq -56 \pm 1.5\text{dBm}$ @MCS9 11ac 80MHz: $\leq -78 \pm 1.5\text{dBm}$ @MCS0, $\leq -52 \pm 1.5\text{dBm}$ @MCS9
Transmission Power	11a: 23dBm \pm 1.5dBm@54Mbps 11n(20/40MHz): 23dBm \pm 1.5dBm@MCS7 11ac(40/80MHz): 23dBm \pm 1.5dBm@MCS9
Transmission Distance	5km

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, terminal restrictions Bridge client: bridging SSID [scan], encryption method, bridging password, peer MAC address, wireless channel, wireless power WiFi settings: WiFi switch, hidden WiFi, WiFi name, encryption method, WiFi password Advanced settings: RTS/CTS threshold, Beacon cycle, sharding threshold
Network Settings	Address acquisition method: automatic acquisition/static IP IP address, subnet mask, gateway, DNS1, DNS2
System Management	Device properties, password modification, system maintenance (restoring factory configuration/downloading backup configuration/uploading recovery configuration/local upgrade), restart
Settings Wizard	Wireless Configuration - Network Configuration - Complete
Log	Export/Refresh

Product Structure Diagram

