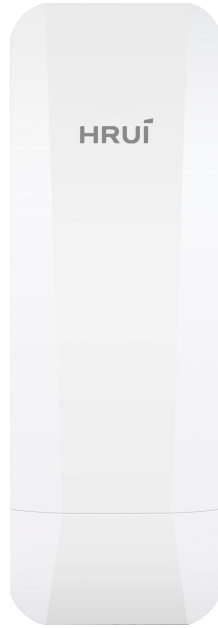# HR-CPE90B-5 Wireless Digital Bridge

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°C to 70°C
Operation Humidity	10%~90%，non condensing
Storage Humidity	5%~95%，non condensing

Datasheet

HRUI

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: ≤-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: 23dBm±1.5dBm@54Mbps 11n(20/40MHz): 23dBm±1.5dBm@MCS7 11ac(40/80MHz): 23dBm±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 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, 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