



Data Sheet HTAC950

HTAC950 – Multi WAN & Multi Function Router and Unified Wireless Controller

Product Appearance:



Highlights:

HTAC950 is a medium and large enterprise gateway based on CAPWAP protocol.

1.1: The product is equipped with 1 Gigabit WAN port, (multiple WAN can be configured) with WAN port load balancing, multi-operator access, line backup, network overlay, strategic routing and other multi-WAN features.

1.2: Support intelligent flow control, Internet behavior management, network firewall, VPN settings, remote access control management and other functions.

1.3: A maximum of 512 terminal users are allowed to access, providing a high-speed network, maximizing defense against network storms, and ensuring the normal operation of the network.

1.4: It can be used as the main route in the network, or as a bypass AC, to manage and configure 512 thin APs, and it can be remotely managed and maintained in the later stage. Even in different cities and on different networks, the administrator can Monitor, manage, and configure the main page of HTAC950 at any time. The product has the characteristics of high performance, easy installation, and easy maintenance, which greatly saves the cost of manpower and material resources in the network layout.

1.5: HTAC950 can be used as an authentication gateway to access the cloud platform to implement authentication methods such as advertising and WeChat authentication, user authentication, and SMS authentication.

1.6: Products are widely used: such as small and medium-sized enterprises, urban villages, hotels, Internet cafes, shopping malls and other places.

2. HTAC950 function introduction:

2.1: Multi-WAN and multi-WAN port load balancing

2.1.1: HTAC950 supports PPPoE/DHCP/static IP/PPTP access, and supports multiple operators' telecommunication, China Unicom, and mobile line access.

2.1.2: Support multi-WAN, support multi-WAN port load balancing, line backup, network overlay and other functions, to provide users with a more stable and faster network.

2.1.3: HTAC950 supports policy routing based on IP address, MAC address, network interface, domain name and other rules.

2.2: Cloud platform access and authentication

2.2.1: HTAC950 supports cloud platform access in gateway mode and AC mode. In gateway mode, HTAC950 supports multiple authentication methods, such as WeChat authentication, user authentication, SMS authentication, etc., making the entire network layout more professional. It also brings more advertising effects.

2.3: AP management function

2.3.1: Zero configuration and grouping

Add a zero-configuration group before accessing the wireless AP, the wireless AP will automatically get the corresponding configuration from the group, without additional configuration, simple and convenient. You can also add different groups in the entire network, and then the configuration data will be sent accordingly corresponding to the wireless AP in the group.

2.3.2: Built-in intelligent channel analyzer

HTAC950 has a built-in smart channel analyzer to help wireless AP detect and analyze the channels of surrounding wireless network sources, so that the wireless AP can select the channel with the least interference and achieve the most stable wireless coverage effect.

2.3.3: Automatically assign IP addresses to wireless APs

HTAC950 has a built-in DHCP server, which automatically assigns IP addresses to wireless APs, which not only avoids the possibility of IP address conflicts, but also saves manpower configuration costs.

2.4: Intelligent flow control

2.4.1: One-key intelligent flow control

2.4.1.1: Simple and worry-free intelligent flow control function, only need a switch to turn on.

2.4.1.2: Based on the flow size and flow feature identification technology, and the algorithm for processing fairness and controlling network delay.

2.4.1.3: Take into account the online experience of downloading, video and game web pages, fast downloading, stable game delay, and fast web pages.

2.4.2: Powerful multi-line shunt

2.4.2.1: Support the access and distribution of up to 180 external network lines for a single machine.

2.4.2.2: Support IP shunting, session shunting, two shunting methods, and the bandwidth super imposed on colleagues will not drop the line.

2.4.2.3: Process diversion, diversion is clean and thorough.

2.4.2.4: The powerful diversion rules based on the conditional combination of IP address, time, port, routing table, application, and diversion weight can meet various diversion requirements.

2.4.3: Automatically apply priority

2.4.3.1: In the case of tight bandwidth, the application priority gives priority to games and web applications, and no amount of P2P downloads will affect the user's online experience.

2.4.4: Policy bandwidth control

2.4.4.1: According to the IP address, authenticated user, user level, user part and time conditions, the maximum flow of the specified user on each line can be accurately limited.

2.4.5: Connection number control

2.4.5.1: According to the IP address, authenticated user, user level, user part plus time conditions, the maximum number of TCP and UDP connections can be precisely limited.

2.4.6: Powerful firewall and user management

2.4.6.1: The firewall module based on the 7th layer can configure the release or organization strategy according to the conditions of address, user, level, department cooperation time, destination address, and destination port.

2.4.6.2: Policy control can be performed on designated applications, designated ports, and designated external network lines.

2.4.6.3: There is port mapping, source address conversion, and internal network DDOS protection functions.

2.4.6.4: IP-MAC binding function prevents intranet ARP attacks.

2.4.6.5: You can view the QQ number of the intranet and control whether the designated QQ number can pass.

2.5: Other:

2.5.1: HTAC950 supports real-time network speed monitoring, VPN over the wall, static IP, DDNS, etc.

Configuration Parameters:

Model:

HTAC950

Standards and agreements:

IEEE 802.3, 802.3u, 802.3ab, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DDNS, IPsec, PPTP, L2TP, CAPWAP

CPU:

MT7621

DDR: 128M; **Flash:** 16M

Heat dissipation:

Natural heat dissipation

Interface:

1(1-4)*10/100/1000Mbps WAN/LAN

Power in AC:

100-240V, 50HZ

Size:

277.8 *180 *37.7mm

Operating temperature: -20°C~55°C; **Storage temperature:** -40°C ~ 70°C;

Working humidity: 5% ~ 97%RH (No condensation)

Software function

AP management:

Maximum number of management users 512 users; Maximum management of 512 Aps; Centralized and remote management, configure wireless AP; View of user status

Intelligent flow control:

One-key intelligent flow control; Multi-line shunt; Automatically apply priority

Load balancing:

Multi-WAN, multi-operator access; Intelligent load balancing; Line backup; Internet speed overlay; Policy routing: based on source IP address, destination IP address, source MAC address, network interface, domain name, destination port, external network interface, identity binding and other strategies Protocol binding; online test

Routing function:

Static routing

Behavior Management:

Fully block P2P software; P2P flow control and bandwidth allocation; File transfer and URL filtering; Full control of network behavior

Bandwidth control:

IP-based bandwidth control; Guarantee/limit bandwidth; Time strategy; IP-based session limit

Security center:

MAC address filtering; URL/keyword filtering; Web content filtering; IP address filtering; Port forwarding; DMZ

Defense Center:

TCP/UDP/ICMP; Block TCP scanning; Block PING WAN port

ARP inspection:

Send GARP packets; ARP scan of WAN/LAN port; IP-MAC binding

Manage:

Web/CLI/Telnet; Remote authentication

Others:

DDNS, VPN

Package Contents:

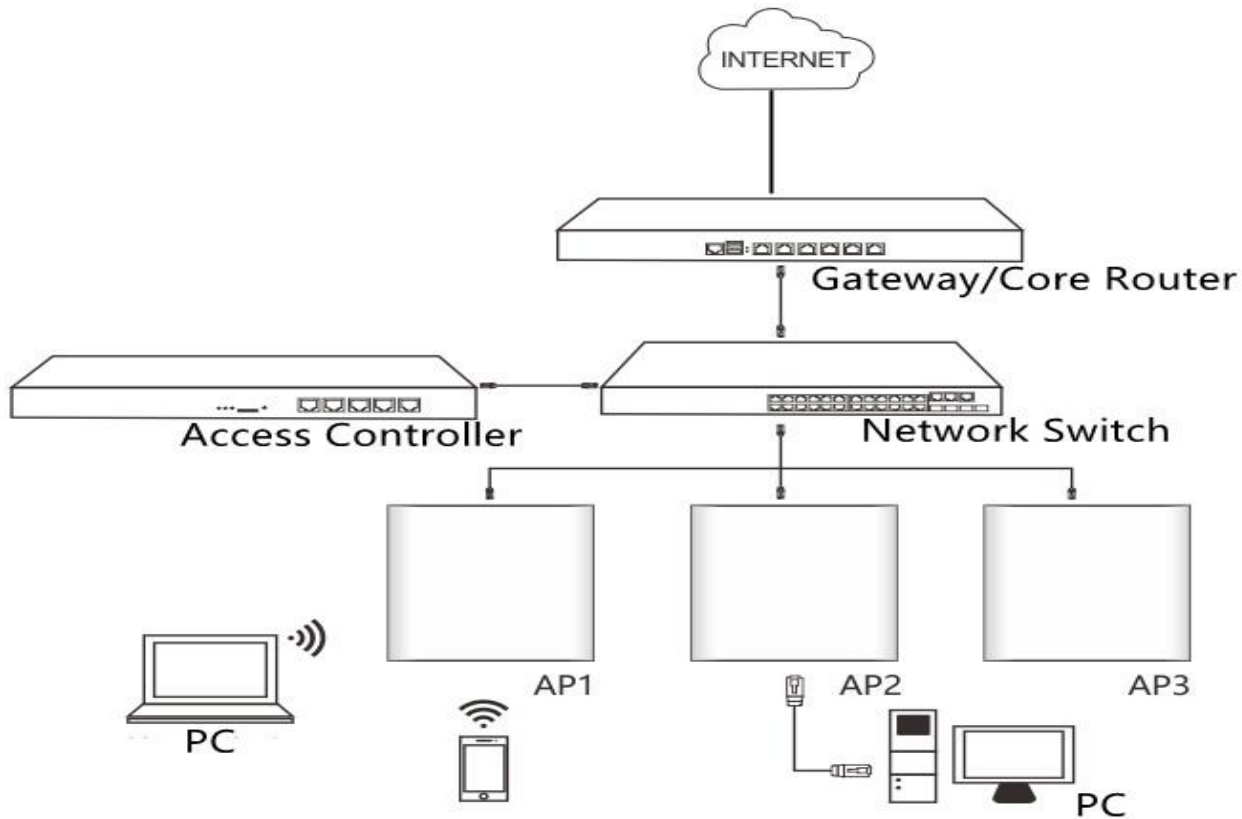
HTAC950*1

Power cord*1

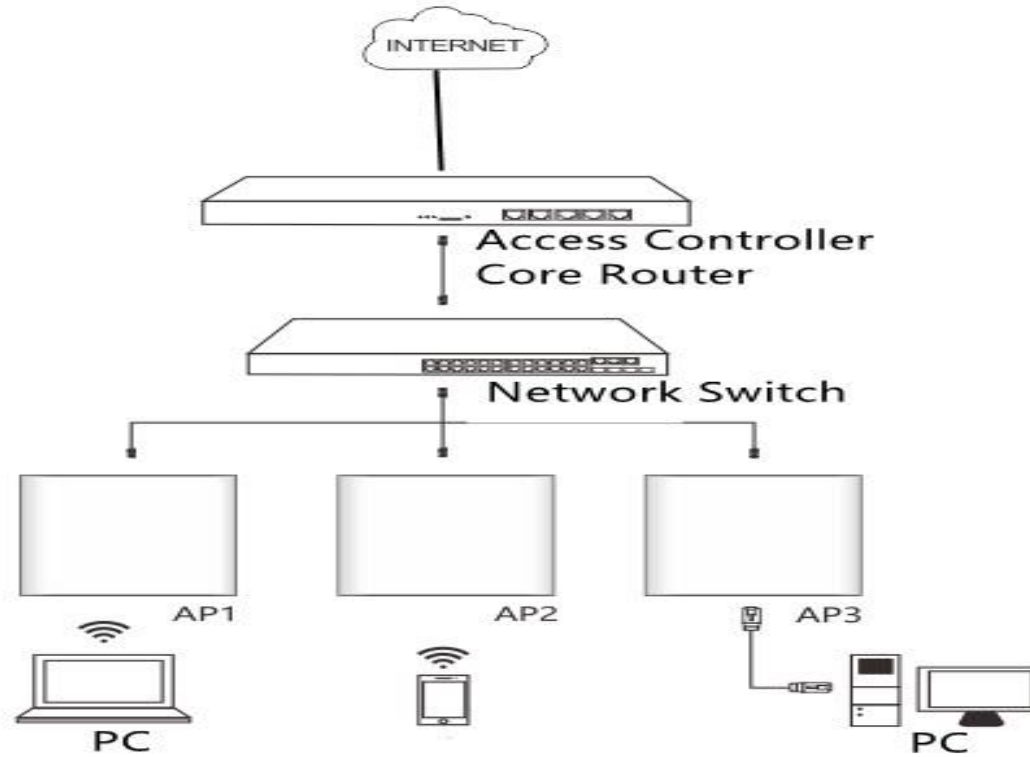
Several installation accessories

Manual *1

Diagrams:



Bypass AC networking mode: Only as Access controller



**AC routing mode:
as a router and access controller**

MULTI-FUNCTION GATEWAY

Current operation: Network Configure >> Interface Configure >> Physical Port Definition

System Status

Network Configure

- ▼ Interface Configure
 - WAN Configure
 - LAN/DHCP
 - Physical Port Definition
- ▼ Route Rule
 - Multi-line Deversion Rules
 - Static Route
- DNS
- NAT/Port Forwarding

Flow Control Policy

AC Management

Auth Internet Access


Behavior Control

Object Management


Safety Protection

Physical port definition


4LAN + 1WAN




3LAN + 2WAN



2LAN + 3WAN



1LAN + 4WAN



Advance

Merge all LAN ports into LAN1

Note: After the physical port feature definition is modified, the router needs to be reconfigured.