Guépard Networks

Connecting the world faster!

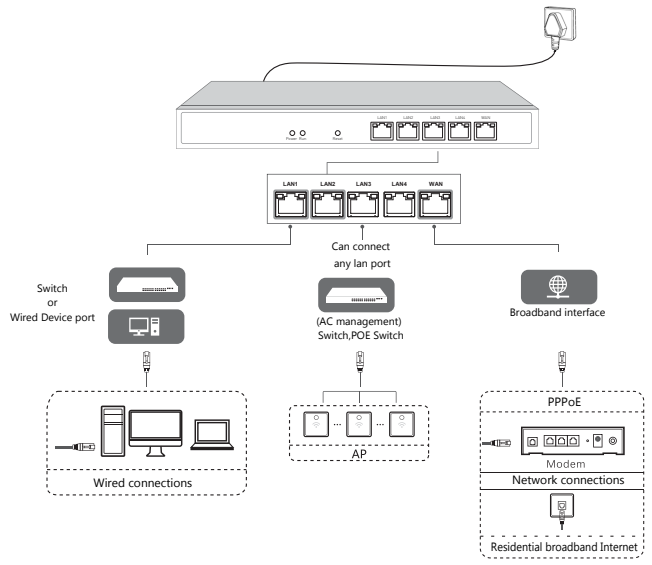
Enterprise Level Multi-Function flow control Gateway

Quick Install Guide

Multi-functional appliance

Gateway - Router - Load balance - Firewall - Controller - Captive portal

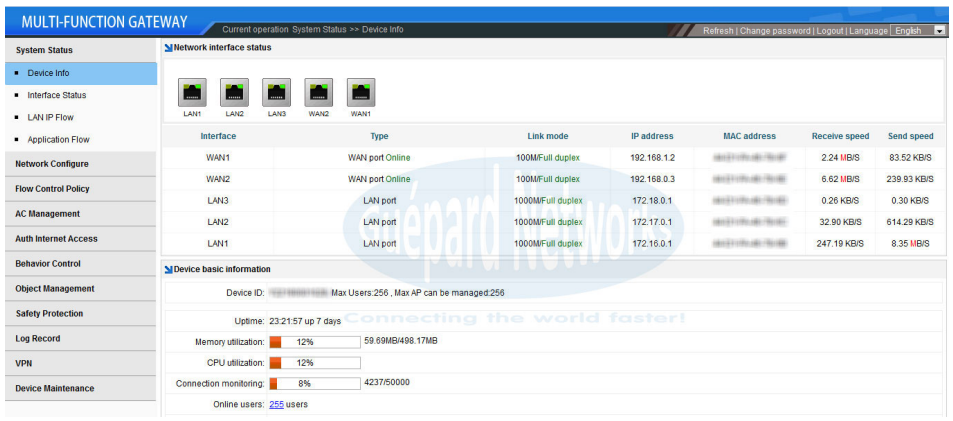
01/Route Connection



02/Route Settings

2.1 Login Device

Connect Lan port of device to PC, login in via IP:Port 172.16.0.1:2011 ,ID/Password: admin as below:

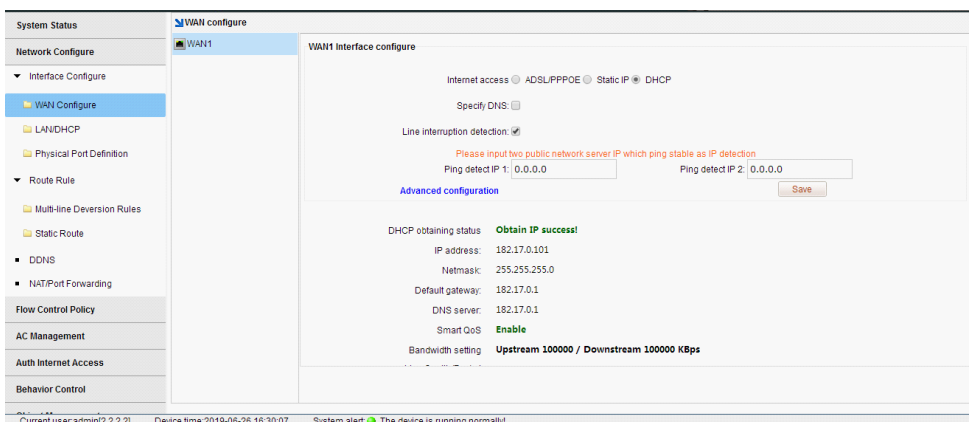


Port	IP Address	Mask
LAN1	172.16.0.1:2011	255.255.0.0
LAN2	172.17.0.1:2011	255.255.0.0
LAN3	172.18.0.1:2011	255.255.0.0
LAN4	172.19.0.1:2011	255.255.0.0

*Note:Please check the IP address of default port above .

2.2 WAN port settings

(Network configuration) (Interface Configuration) "External network configuration", select the network port to configure, and configure the information of the external network, as shown in the following image:



Internet access: (choose how to access the Internet according to the actual situation)

ADSL/PPPOE: Fill in bandwidth account numbers and passwords (this type of Internet access is recommended)

Fixed IP: Fill in IP, mask, gateway and DNS provided by the operator

DHCP: Direct access to lines provided by the operator to obtain IP

Line interruption check: detect whether the line is connected to the network, if the line is not accessible or the linequality is poor, the packet is serious, the route is automatically processed, does not load to the Line.It is recommended to enable line interrupt detection.

Bandwidth configuration: configure the bandwidth of the line, such as the dial-up fiber of the upstream 4M downlink 100M, can be configured with behavior 500KB, downside 10000KB.Configure the line Bandwidth is important, and intelligent streaming is automatically streamed based on the bandwidth that is matched. (The "Enable Smart Streaming" option needs to be checked to configure bandwidth values for effective)

2.3 Physical port division

This feature supports separate and merge port divisions.When the main road is recommended to use the merge port division, that is, open All LAN ports are one LAN1 port function. If it is bypass mode, it is recommended to turn this feature off.Select the corresponding according to the actual situation Physical port division type, check "Merge all LAN ports as one intranet port (LAN1)."

Note: After the definition of the physical port feature is modified, the route needs to be reconfigured. (Note: The version of the X86 platform does not support Ethernet port merge).

X86 Platform include model: ***GAC9500, GAC9600, GAC9800***

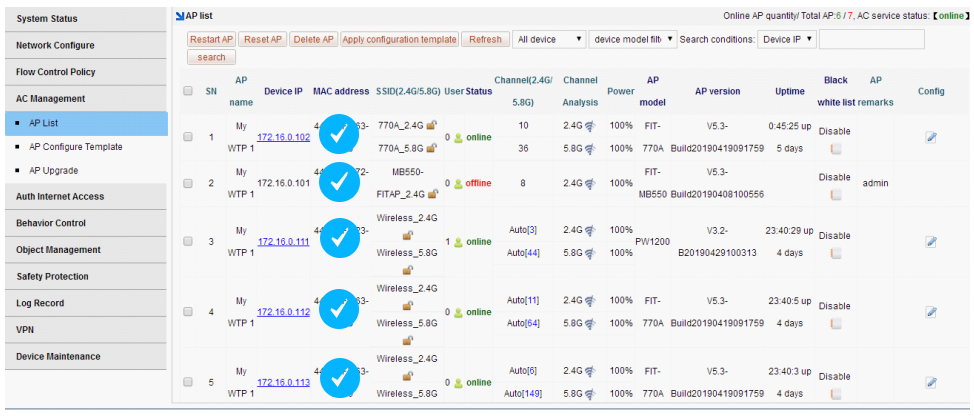
These models will use separate LAN ports and integrated VLAN function on LAN

03/AC Management

3.1 AP Device List

The AC controller feature allows centralized management and release configuration of the AP devices connected to it, with parameters including

Line channels, SSIDs, transmit power, encryption modes and keys, AP coverage thresholds, number of access users, and VlAunID, as follows As shown in the figure:



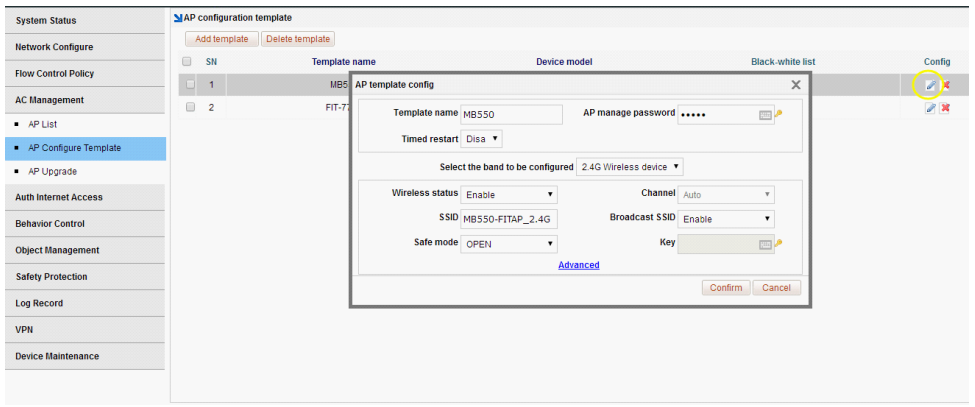
Note: The default configuration issued by AP is achieved by establishing the template, with one template for each model.

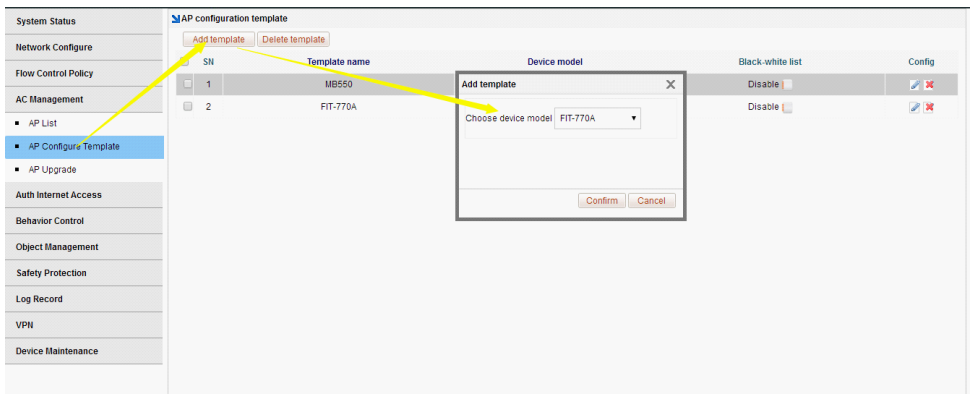
Only in the AC list should The template of the corresponding model will be released normally.

Note: An AP model can also create multiple templates.Apply to the same floor or geography of the same model A scene with a different location.

3.2 AP Device Configuration

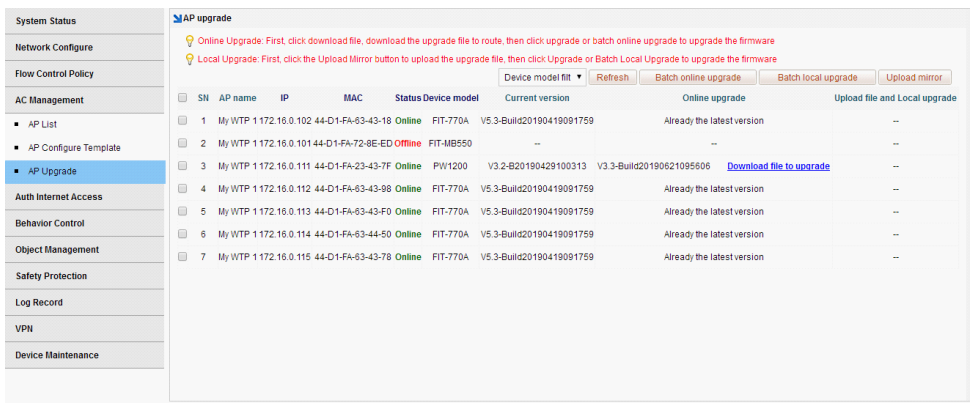
AP device configuration, is a single AP or multiple APs in the list of parameter modifications, including the wireless state on or off, The modification of the channel, the modification of the wireless bandwidth mode, the modification of the AP coverage threshold, the modification of the transmit power, and the marking of the device location.





3.3 AP Upgrade Management

AP Upgrade Management allows you to upload the AP version that needs to be upgraded to the device, and then select the AP list in full or selected to upgrade, while also supporting the AP remote upgrade.



04/Authentications

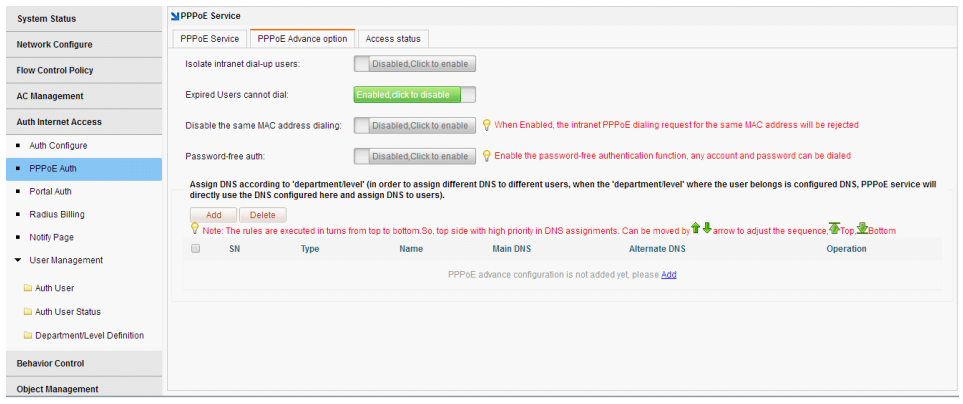
4.1 Enable authentication to the Internet

Enable authentication Online, means that only PPPOE dial-up authentication, WEB password authentication, IP authentication, MAC authentication.

Users can only access the Internet, for example, allow the user PPPOE dial-up Internet access under LAN1, certified Internet access , "Certification switch", select LAN1, enable the authentication network switch, check the type of "PPPOE dial" that allows Internet access, click Save.

4.2 PPPOE Authentications

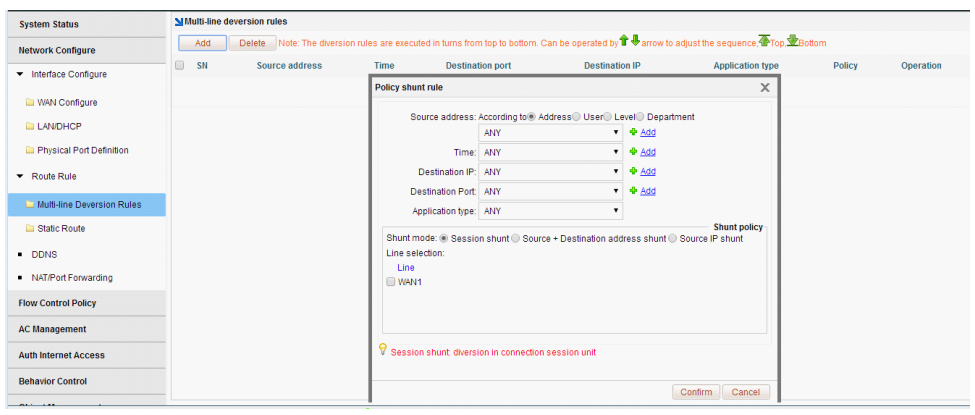
Users who use PPPOE dial-up Internet access need to enable PPPOE services at the intranet, such as PPPOE services on LAN1. (Certified Internet Access) (PPPOE Certification) (PPPOE Advanced Options) and select the app.



05/Configure shunt rules

5.1 Configuring shunt rules

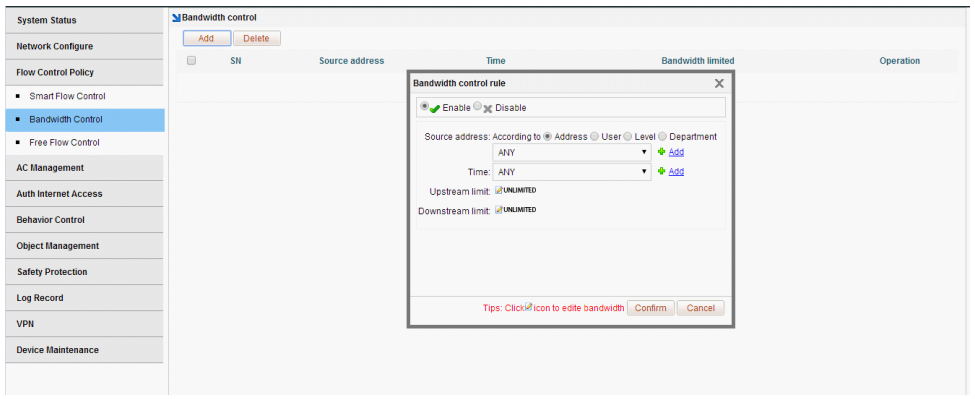
A single line can not configure a shunt rule; (Network configuration)
Multi-line shunt rule, point Hit Add creates a policy shunt rule, selects the shunt mode, selects which apps the line hosts, and click OK after checking.



Note: Multi-line load balancing is achieved by shunt rules.

5.2 Configure bandwidth speed limit policy

Description: Routing has intelligent flow control function, configuration speed limit strategy, the purpose is to prevent the endonet machine poisoning, or advertising uncontrolled Upload, usually the speed limit up to 100-300KB, the downlink speed limit can be properly l iberalized, such as the speed limit of 1000-3000, usually recommended The speed limit does not exceed one-third of the total bandwidth.



For example: a 50M peer fiber, then each machine speed limit up 100-300KB, down1000-3000 KB can be, advanced recommendation configuration P2P The limit allows 70% of the allowed for the upstream and 70% allowed for the downstream. As shown above (ANY means arbitrary, that is, anyone, any time)

06/Safety

6.1 End-network anomaly detection

Turn on DHCP detection to detect the presence of other DHCP servers in the intranet; Turn on Loop Detection to check the content for loops (for intranet fault positioning).