INDUSTRIAL CORE GATEWAY - ROUTER

Simplest for building network infrastructure, controlling clients and access points!

This is product illustration, appearance can change by different regions.

Guépard GAC9600 *New*

NEW ADVANCED TECHNOLOGY

*Security Gateway * Smart QoS * Wi-Fi Controller*

1024 end users / 400,000 sessions

Using Multi-purpose

PRIVATE	PUBLIC	GENERALITY	INDUSTRY	OFFICE

GAC9600 is a large-scale enterprise Industrial core gateway router - Load balance - AP controller - Firewall device with *06 Gigabit ports*. **GAC9600** can work as a gateway, core router, load balance, controller and authentication portal which can manage, control and monitor simultaneous *1024 clients* and *1024 wireless access points* in networking diagram at the same time. So **GAC9600** is a very easy choice to set up and manage your basis networks that keep the whole networks running fast, stability and security.

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Core Gateway Router - Load balance - Basic Firewall Appliance

GAC9600 with metal case and lightning protected connector which help administrator set up easily with more safety and stability while running.

Compliance

A. Gigabit multi-WAN ports for high speed broadband router and fail-over with back-up line

- *Factory default include: 2 Gigabit WAN port, 4 Gigabit LAN ports (3 ports self-adaptive), high-speed data transmission. However, administrator can customize quantity of WAN/LAN ports for their real network demand.*

- *Fail-over with back-up line: Router can automatically switch to other WAN ports for transmitting data when other WAN port is interrupted, which will enhance the reliability of your network.*

- *Multi-broadband overlay so multi-ISP line can access at the same time, automatic rational use of the bandwidth, reducing the cost of operation; Support intelligent load balancing; optimized the number of users, network traffic, wireless signal effectively balanced, sharing the broadband on equipment equally and no blocking, zero off-line, enhance the user Internet experience.*

B. Multi-in-one network flow control

- *Integrated router, flow control, load balancing, firewall, behavior management, VPN functions all in one, one device can create multiple solutions to reduce equipment cost; Zero configuration, simple deployment, easy installation, efficient maintenance.*

C. Precision intelligent DPI (Deep Packet Inspection) seventh-layer flow control function, AI automatic learning and continuous automatic optimization of the network

- *Simple and easy in the intelligent flow control function with just only one switch on.*

- *Recognition technology based on traffic size and traffic characteristics, calculations of dealing with fairness and control network delay.*

- *Support IP-shunt and session-shunt, bandwidth overlay and no dropping off at the same time. Powerful shunt rules based on combination of IP address, time, port, routing table, application, shunt and weight, meet with various shunt requirements.*

D. Broadband control policy

- *Rules for IP address, authenticated user, user level, user department and time conditions, it can be precise limit the maximum traffic and the maximum number of TCP and UDP connections of users per line. In the case of tight broadband, it can automatically apply priority, as games and web pages should have priority, P2P downloads will not affect the on line experience.*

E. Flexible firewall module, controlling intranet and extranet information security

- Firewall module run on 7 layers OSI can configure or organize to addresses, users, levels, departments, operation time, protocols (TCP/UDP), destination addresses and destination ports.

- Policy can be carried out for delegated applications, designated parts and delegated external network lines.

- Integrated port mapping, source address translation, extend protection to every port of the router and enable the ports to provide DoS/DDoS attack protection.

- IP-MAC Binding Function to prevent ARP Attacks.

- Prohibit ping router from extranet, close telnet service, setting service port/physical port/DNS/deny log in remotely via extranet IP.

F. Automatic detection and unified management wireless AP (up to 1024PCS wireless AP can be managed) and 1024 end users accessing.

- Automatic detecting of all APs working in thin AP (FIT AP) mode, and unified configuration and management of AP with zero-configuration.

- Support accurate seamless roaming and intelligent channel analysis, support manual adjustment of AP transmission RF power, reduce mutual WiFi interference between AP, improve the wireless network quality.

- Support load balancing based on the number of access users. Through policy rules, Controller can dynamically adjust the uniform distribution of users between different APs.

G. Multiple User Access Authentication

- Support VPN, private network with encrypted communication for the security of remote access.

- Support wireless marketing function (Landing page) with Portal authentication and WEB authentication to meet the needs of different users and different scenarios.

- Support remote centralized management and maintenance across regions.

- Support managing manual DSL (manual Digital Subscriber Line) with PPPoE Authentication for PPPoE users.

H. Behavior Management

- Support Behavior management can completely block P2P software, P2P flow control and broadband distribution, manage file transmission and fully control illegal web site surfing network behavior effectively.
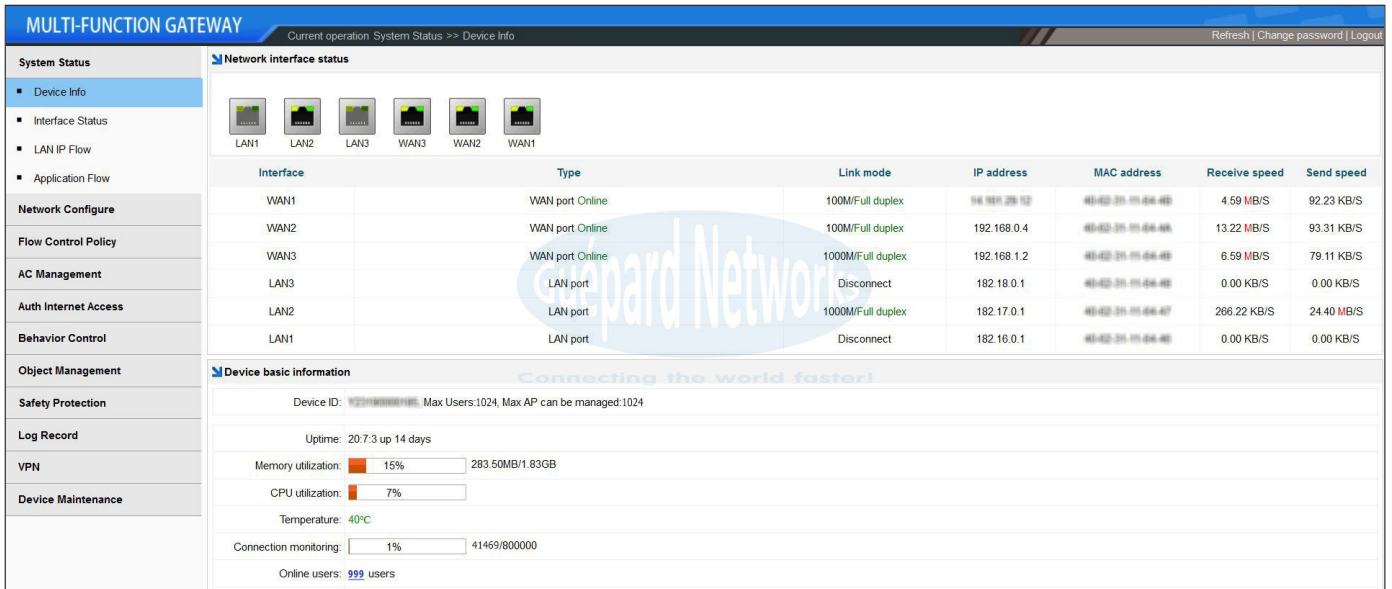
I. Smart QoS Policy

- Through IP-based network traffic speed limit mechanism and NAT table restriction mechanism, it can control the excessive occupation of network width by P2P software such as BT effectively.

- Support QoS policy configuration for IP segment/ IP range in a shared and exclusive manner in a specific time period to meet user's flexible business configuration requirements.

J. Multi-LAN function (VLAN)

- Support multi-LAN functions in which enterprises can easily divide the LAN into multiple segments. This funtion reduce the impact of broadcast domain and ARP virus and configure corresponding firewall strategies for different VLAN.

- A separate DHCP server and firewall rule can be configured for each LAN.

Convention GUI and Convenient settings

GAC9600 integrated friendly graphic user interface management *(Web based)* which combined with graphics and instructions, more convenience and useful for controlling and configuring appliance;

Interface	Type	Link mode	IP address	MAC address	Receive speed	Send speed
WAN1	WAN port Online	100M/Full duplex	14.161.28.12	40:42:31:11:66:48	4.59 MB/S	92.23 KB/S
WAN2	WAN port Online	100M/Full duplex	192.168.0.4	40:42:31:11:66:4A	13.22 MB/S	93.31 KB/S
WAN3	WAN port Online	1000M/Full duplex	192.168.1.2	40:42:31:11:66:49	6.59 MB/S	79.11 KB/S
LAN3	LAN port	Disconnect	182.18.0.1	40:42:31:11:66:46	0.00 KB/S	0.00 KB/S
LAN2	LAN port	1000M/Full duplex	182.17.0.1	40:42:31:11:66:47	266.22 KB/S	24.40 MB/S
LAN1	LAN port	Disconnect	182.16.0.1	40:42:31:11:66:4B	0.00 KB/S	0.00 KB/S
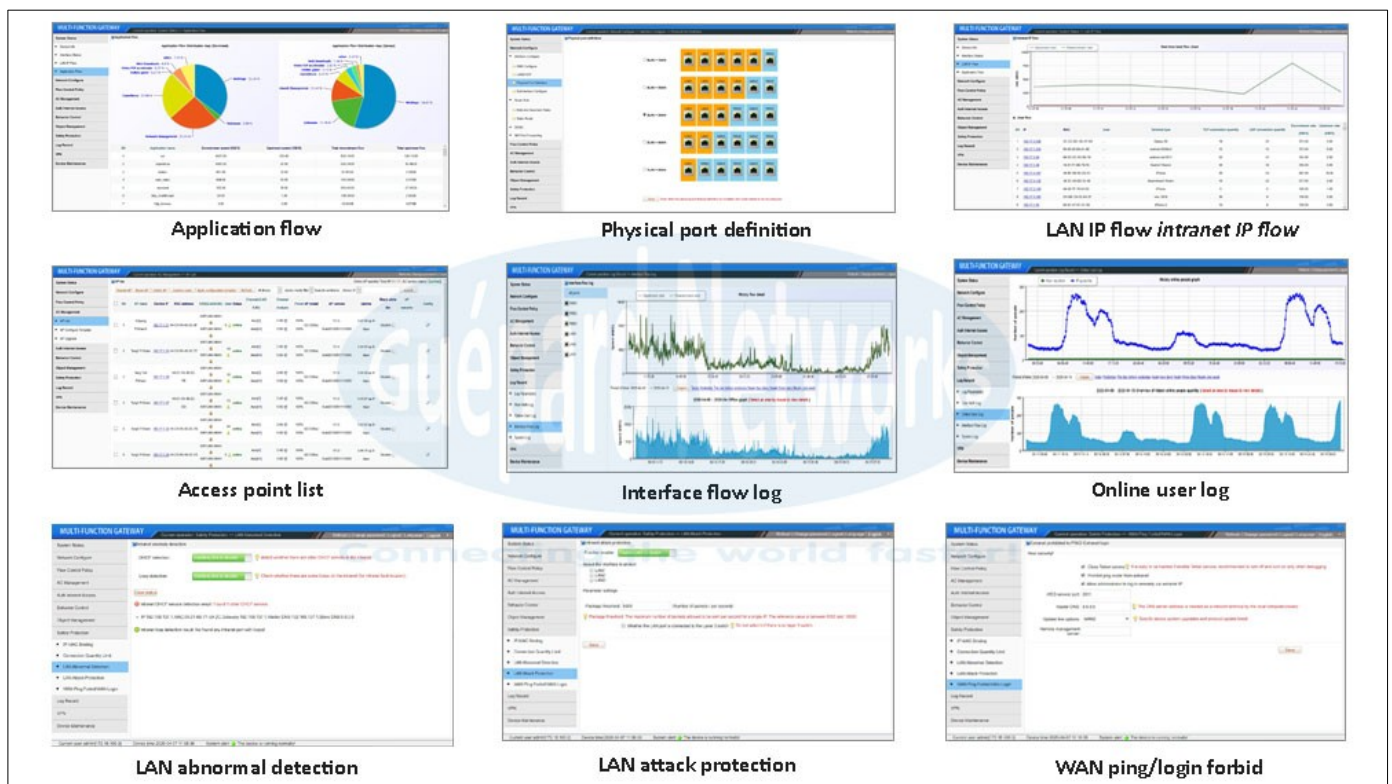
Management interface of GAC9600 listing detail network interfaces, users, clients, flows, routes … lively and clearly.

Application flow

Physical port definition

LAN IP flow *intranet IP flow*

Access point list

Interface flow log

Online user log
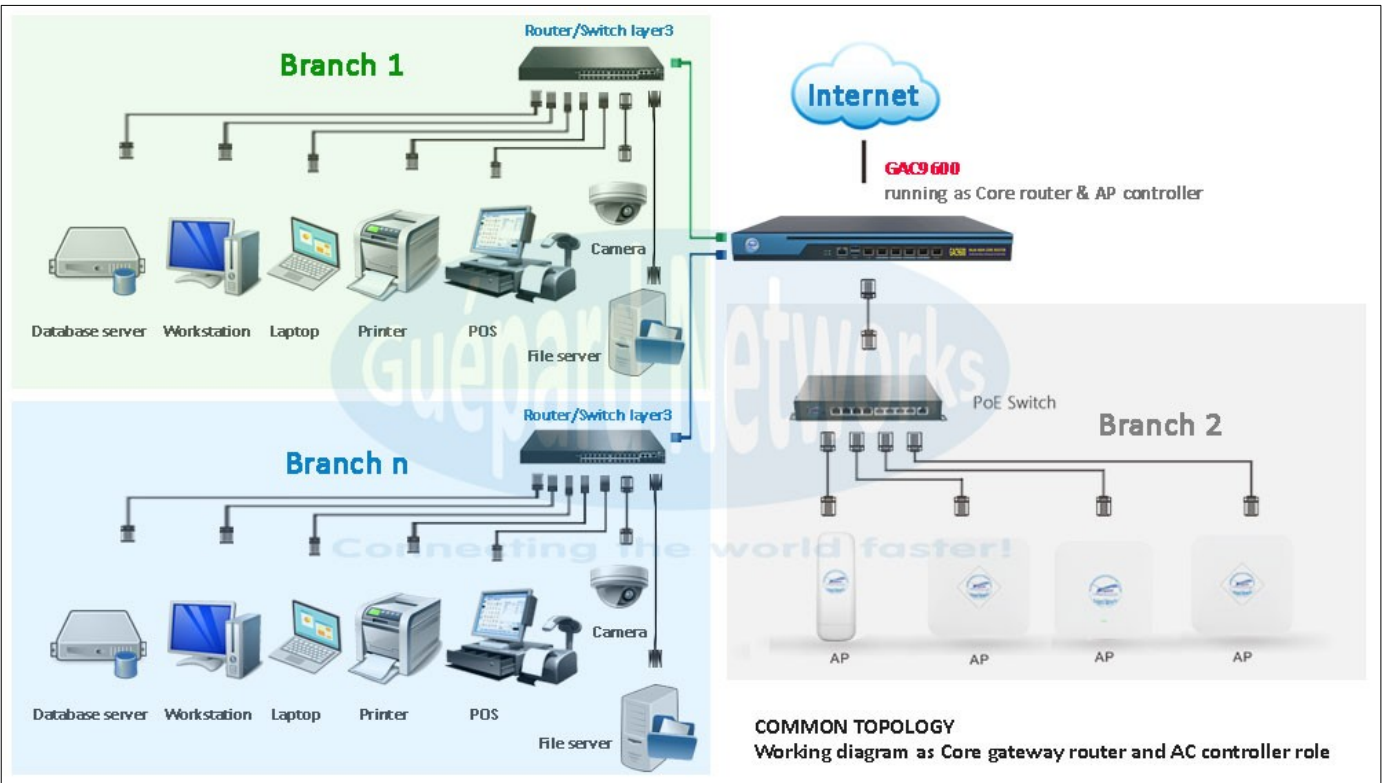
LAN abnormal detection

LAN attack protection

WAN ping/login forbid

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Network topology

Working diagram as AC Controller

Working diagram as Gateway and AC Controller

COMMON TOPOLOGY
Working diagram as Core gateway router and AC controller role
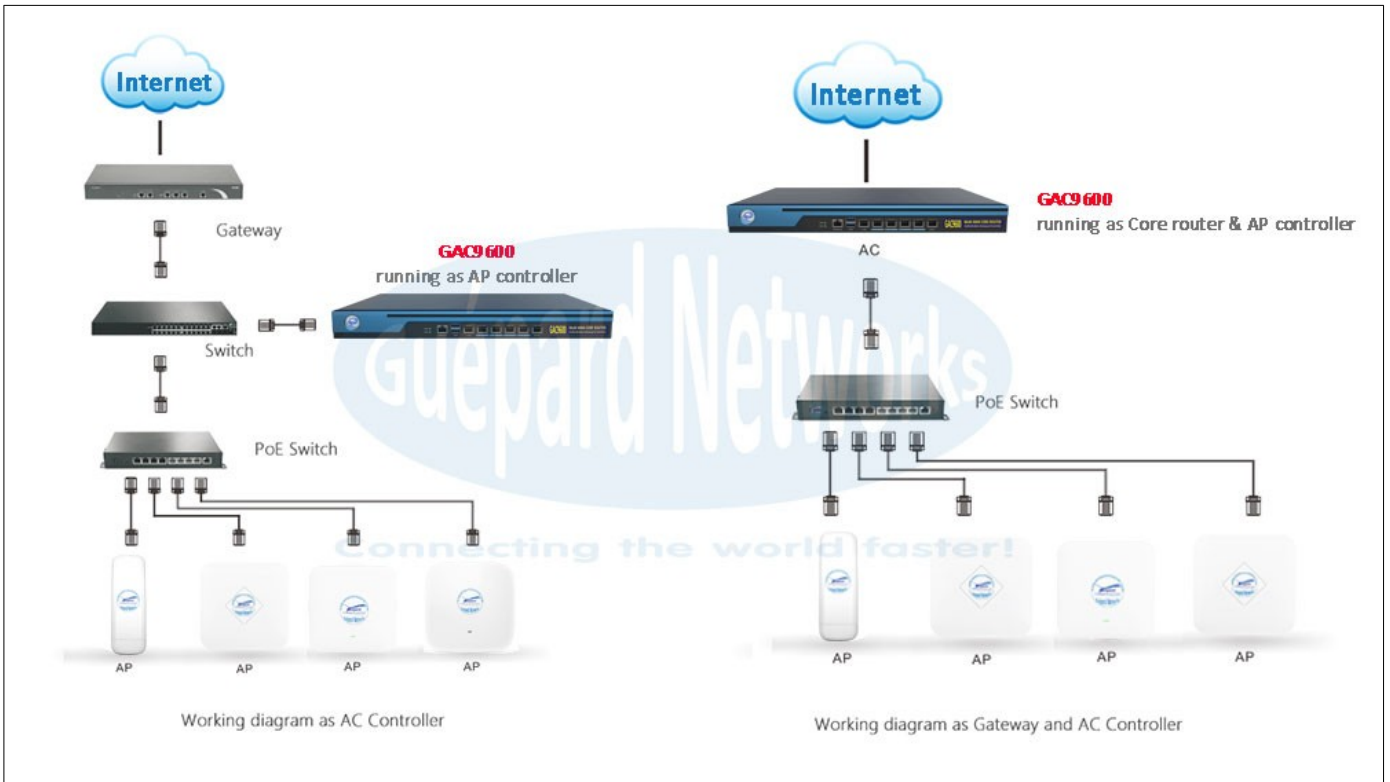
GAC9600 can run as standalone Industrial core router or AP controller or both. It's belong to requirement and your current network status.

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Guépard Networks
Connecting the world faster!

Specification

HARDWARE	
CPU	Intel *(4 cores/ 4 threads) 2 MB L2 Cache* 2.0 GHz - 2.42 GHz *Burst*
Memory/SSD	*2 GB DDR3 RAM/8 GB*
Interface *(6 x Gigabit Ethernet Port)*	**LAN Port:** 4 x 10/100M/1000M RJ45 port (Auto MDI/MDIX) ***Console:*** 1 x console port
	WAN Port: 2 x 10/100M/1000M RJ45 port (Can up to 04 WAN ports with *physical port definition function*)
	USB port: 2 x USB 2.0 ports
LED Indicator	**Power:** On, **HDD:** SDD status
Cooling	Metal cover cooling + Fan cooling
Power/Power Consumption	100-240V ~ 50/60Hz Max 50W *with lightning protected connector*
Size/ Weight	1U Rack: 440 mm X 300 mm X 44 mm; ~5.0 Kg

MANAGEMENT	
Core Gateway Router	***Capacity: Recommended 400,000 sessions*** With full WAN/LAN/VLAN Settings and Route rule
Centralized management	Centralized management ability (Auto detecting wireless APs) ***Max: 1024 APs*** ***Max: 1024 end users***
System Settings	Full Web-based statistic and configuration *(Friendly GUI)*
System monitoring	Monitor clients/users/AP status in real-time; tracking clients/users/AP operations on system everytime and everywhere; auto-inspection AP's working status *(up or down)*, show each clients/users/AP status under control panel page;
QoS	Status/ Setup upstream & downstream bandwidth/ IP range of bandwidth/MAC/ Max bandwidth smart/rules/free; Bandwidth limitation: IP-based bandwidth limitation, Safeguard/Restrict bandwidth;
Security	IP/Port Filtering; MAC Filtering; URL Filtering; Port Forwarding; DMZ Settings; Intranet attack protection; Extranet prohibited to PING/ Extranet login; DHCP/Loop Detection, ARP defense
Temperature	Working: 0°C~50°C/ Storage: 0°C to 70°C
Humidity	Storage Humanity：5%～90%RH (No condensation)

TECHNOLOGY & QUALITY
NEW ADVANCED TECHNOLOGY INTEGRATED BY MANY WORLD FAMOUS NETWORK PRODUCT   *24 MONTHS WARRANTY POLICY AND SUPPORT SERVICE*   *100% PRODUCTS CHECKED TWICE BEFORE RELEASE FACTORY*
GUÉPARD NETWORKS™ **Inspired of French**   *ALL COMPONENTS AND ACCESSORIES SUPPLIED BY PRESTIGE MANUFACTURERS (QUALCOMM, INTEL, MEDIATEK, TDK ...)*   *Assemble in China*

PACKAGE
Guépard GAC9600 complete set/ Power cable/ Rack mount kit

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