

Enterprise Gateway & WLAN Controller

WHG-1000P



The WHG-1000P is a middle Enterprise Gateway, VPN router, and AC controller equipped with Intel Elkhart Lake CPU. With its 1U size, features 6 * 2.5G RJ45 ports, redundant power supply optional, making it an ideal solution for hotel, super market installations where reliable high speed 2.5G Ethernet is needed.

As a VPN router, the KS-MR1000 supports both VPN client and VPN server functionalities, including PPTP, L2TP, IPsec, and OpenVPN protocols. Additionally, it offers SD-WAN capabilities, multiple solutions of remote management and control for chain stores.

SMB Enterprise Gateway: Delivering High-Speed, Secure, and Superior Ethernet Access for Businesses

- Multi-WAN and Multi-Session Support: Support bandwidth stacking after enable the multiple network dial up from the same or different ISPs, optimizing network connectivity and enhancing business continuity.
- Powerful VLAN Features: Support port-based VLAN and Tag VLAN, ensures efficient data isolation within the enterprise, effectively safeguarding network security.
- Intelligent Policy Routing: Flexibly configure routing policies based on demands, enhancing overall network efficiency.
- Efficient Load Balancing: Ensure fair distribution of network traffic to improve user experience.
- Port Aggregation: Supports port aggregation to further enhance bandwidth utilization.
- Diverse QoS Modes: Flexibly configure Quality of Service based on bandwidth, application priority, IP/domain and protocol to ensure critical applications are prioritized
- Comprehensive Security Protections: Offers robust security features including access control, ARP defense, MAC filtering, connection limits, and DDoS protection, providing continuous protection for your network.

Comprehensive VPN Support

Featuring both VPN server and client functionalities, it supports multiple protocols including IPsec, PPTP, L2TP, and OpenVPN, ensuring secure remote access for users to the corporate network while effectively protecting privacy and data security.

Supports SD-WAN (Software-Defined Wide Area Network) to Drive Digital Transformation for Enterprises

With centralized management and flexible deployment through SD-WAN, seamlessly overcome geographic limitations, enhance network performance, reduce operational costs, and strengthen business continuity. This software-driven solution accelerates the digital transformation process for enterprises, making their networks more efficient and agile.

Diverse Authentication Methods to Meet Your Varied Needs

Supports Portal, PPPoE, Radius, and SMS authentication, ensuring secure network access while effectively showcasing advertisements to enhance brand influence, perfectly adapting to various scenario requirements!

Dual Machine Hot Backup, Ensuring Network Stability

Supports HA master/slave backup, link monitoring, and interface monitoring to achieve intelligent load balancing and parameter/line backups, ensuring your network remains efficient and stable without any worries!

Cloud Remote Management, Easily Control Your Network

Support cloud access and remote management through various methods, including device MAC or bound accounts, support device anomaly alert, wherever you are, easily inspect your devices, save time and costs, and monitor network status in real-time, ensuring efficient and smooth management!

Comprehensive Network Fault Diagnosis and Smart Alerts

Supports multiple network fault diagnosis features, provides network wake-up options, and includes an anomaly alert mechanism to promptly detect and address network issues, ensuring stable and efficient network operation.

Enhanced Additional Features for Greater Network Flexibility

Supports port mapping, UPnP, DMZ, NAT, and NAT fast forwarding, along with various other capabilities such as port mirroring, providing greater flexibility and convenience for your network configuration

Model No.	WHG-1000P
CPU	Intel Elkhart Lake J6412 CPU, 10nm, 4 core, 2.0GHz, 1.5MB Cache, 1U size
BIOS	UEFI BIOS
DDR	1 * 3200MHz DDR4 SO-DIMM memory slot, 4GB in default, 32GB maximum
Memory	1 * 6Gb/s SATA interface
	Support 1*2.5" Hard drive bracket, Equipped with hard drive shock absorption function
	1 * CF TypeII slot, 1G SLC CF card in default
Interface	6 × 2.5G RJ45 ports, Intel 225V chipset, Software defined WAN/LAN port
USB3.0	2 * USB 3.0
Serial Port	1 * RJ45 port
Reset Button	1 * Reset button
Power Power	1 * Power button, on the back side, adopts ATX rebound button switch
LED Indicator	Power, HDD, 6*RJ45 ports LED indicator, USB1, USB2, RST
Power	AC:100 ~ 264VAC, 65W
Installation	Support 19 " rack mounted installation
Working Temperature	0°C~50°C
Storage Temperature	-40°C ~ 70°C
Working Humidity	5% ~85% RH (No condensation @ 40°C);
Storage Humidity	5% ~95% RH (No condensation);
Size	300mm x 430mm x 44.5mm
Weight	N.W: 5.5KGS, G.W: 8KGS
Size of inner box	520x385x150mm (LxWxH)
Size of outer box	535x400x175mm (LxWxH)
Firmware functions	
Operation Mode	Gateway, Gateway+AP controller, AP controller
Maximum users	1000 under gateway and gateway+AP controller mode
Maximum AP can be managed	2000PCS wireless AP can be managed under AP controller mode
	1000PCS wireless AP can be managed under Gateway + AP controller mode
WAN	Support Multi WAN bandwidth stacking: PPPoE, DHCP, static ip
	Support one line multi-dial bandwidth stacking
	Support WAN grouping to implementing batch WAN settings
	IPv4 & IPv6
LAN	Multiple LAN ports
	Support LAN VLAN, to achieve data isolation function
	Support DNS proxy
Policy Routing	Policy routing
	Load balance
	Line speed measurement, PING detection
	Support recording logs of policy routing rules and the working status of WAN port lines
Port Aggregation	Manual aggregation and LACP modes
	MAC、 IP+port, MAC+IP port aggregation

Routing	Device status, network status, user login records, system logging function
	QoS function: Based on bandwidth, business priority level, IP/domain name and protocol to limit traffic
	Multiple security protections: support access control, ARP defense, MAC filtering, connection limit, DDoSdefense and other functions
	Support behavior management functions based on time groups, IP address groups, domain names, and behavior recognition
	Supports VPN server and VPN client, supports PPTP, L2TP, IPsec, OpenVPN and other protocols
	Support port mapping
	Support UPNP
	Support DMZ
	Support NAT
	Support DNS
	Support DDNS
	Support port mirroring
	Support NAT fast forwarding
	Wake-on-LAN
	Support network fault diagnosis and alarm push
Authentication	Support WEB Auth
	Support PPPoE Auth
	Support Radius Auth
	Support SMS Auth
	Support authenticated user management
Hot Standby	Set relevant parameters for HA master/slave backup, link monitoring, and interface monitoring to achieve load balancing and parameter/line backup functions
AP Management	AP list checking
	Wireless parameter template settings
	AP group management
	White/Black name list management
	AP Bulk firmware upgrade
	DHCP defense
	AP System Log
Fault Diagnosis	Support PING detection, TraceRoute, Packet capture diagnosis and other functions
Watchdog	Software watchdog, supports system reset
System Management	Remote Maintenance
	Local backup, import, scheduled backup, factory settings, device restart, scheduled restart, local upgrade, online upgrade, etc
	System time
Cloud Remote Management	SD-WAN
	Scene topology generation and management
	Scene grouping and management
	Equipment management and grouping
	Equipment abnormality alarm
	Technical Support Center

Packing List	1 * KS-MR1000
	1 * Power cable
	1 * 1.5-meter RJ-45 serial port cable (one end is RJ-45 interface, one end is DB-9 serial port female)
	1 * Accessory box (including fixing bracket, rubber foot pad, screw package)
	1 * User Manual
	1 * LAN cable

ORDERING INFORMATION

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*Product specifications and availability are subject to change without notice

