

HAN ESG6000 Series Network Controller



INTRODUCTION

HAN ESG6000 series is an integrated enterprise class Network Controller delivers enhanced Wi-Fi scalability and security to meet demands at the edge for the new generation enterprise networks. It delivers high performance, large capacity, high reliability, and various business types. ESG6000 integrates wireless access controller, security, and authentication service to provide customer with the ultimate experience.

HAN ESG6000 series enterprise Network Controller includes ESG6110, ESG6110-W, ESG6120, and ESG6120-W. Working with HAN enterprise AP series, it can meet the typical wireless application scenarios such as various scales enterprise campus WLAN access and wireless hotspot.

KEY FEATURE

Multi services integration

ESG6000 series Network Controller innovatively realizes deep integration in diversified services. ESG6000 combines wireless access controller, management operation and maintenance platform, which streamlining the variety of network devices and greatly reduces investment. ESG6000 series support unified management of wireless, wired and network security, support both wired and wireless user access authentication, access control, traffic management. It unifies web management interface as well as supports intelligent operation and maintenance of the whole

enterprise network, greatly reduces the network construction, operation, and maintenance management cost for the enterprise.

High availability and resiliency

For always-on connectivity, the ESG6000 series Network Controller supports 1+1 redundancy, supporting hitless failover that's critical for uninterrupted business continuity.

Service provider level user access control and management

User role-based access control is a major feature of ESG6000 series Network Controller. Access Profile provides a configuration template that can save preset configurations (a collection of a series of configurations). Users can configure various content for Access Profile according to different application scenarios, such as CAR (Committed Access Rate) policy and QoS (Quality of Service) policy, etc. Before users access the network, they need to perform identity authentication first. During the authentication process, ESG6000 will distribute the Access Profile to the device, and the device will immediately enable the specific contents configured in the Access Profile. When user accesses the network through authentication, the device will restrict the user's access behavior through these specific contents. When a user goes offline, the system will automatically disable the configuration items under the Access Profile, thus cancelling the restriction of the Access Profile on the user.

Various authentication types

802.1X authentication: ESG6000 series Network Controller supports TLS, PEAP, TTLS, MD5 and other 802.1X authentication methods, also supports 802.1X local authentication methods, providing support for MD5, TLS, PEAP and other main authentication methods. Thus, customers no longer need to configure additional AAA servers.

MAC address authentication: ESG6000 series Network Controller supports MAC address authentication, which meets the convenient access of wireless printers, wireless medical devices, etc.

Web portal authentication: ESG6000 series Network Controller provides built-in portal authentication server. It can flexibly push and customize the portal page according to the policy requirements to achieve the role of advertising and information transmission, and is widely used in wireless campus, metro wireless city, guest access and other application scenarios.

Professional safety protection

ESG6000 series Network Controller supports various security protection modes which include blacklist, whitelist, rogue defense, abnormal message detection, and illegal user forced offline.

HARDWARE SPECIFICATIONS

Item	ESG6110	ESG6110-W	ESG6120	ESG6120-W
Dimensions (HxWxD)	440mm×435mm×44mm		440mm×435mm×44mm	
Interfaces	6x 1GE	6x 1GE 4x SFP	6x 1GbE 2 x SFP+	
Console Port	RJ45		RJ45	
USB	2 x USB Type A		2 x USB Type A	
Expansion slot	1, reserved for future use	-	2, reserved for future use	2, reserved for future use
Power Supply	Single Input: AC 100~240V 50~60Hz	Dual	Single Input: AC 100~240V 50~60Hz	Dual
Working Temperature	0~45°C		0~45°C	
Working Humidity	10%~95% (non-condensing)		10%~95% (non-condensing)	
Storage Temperature	-40°C~70°C		-40°C~70°C	
Storage Humidity	0~95% (non-condensing)		0~95% (non-condensing)	

SOFTWARE SPECIFICATIONS

Item	Feature	ESG6110/ESG6110-W	ESG6120/ESG6120-W
AP MGMT	Number of managed AP	512	1024
802.11	802.11 WLAN Protocols	<ul style="list-style-type: none"> 802.11, 802.11b, 802.11a, 802.11g, 802.11d, 802.11h, 802.11w, 802.11k, 802.11v, 802.11r, 802.11i, 802.11e, 802.11n, 802.11ac, 802.11ax, 802.11be AP supports L2/L3 discovery AP automatically discover and join ESG6000 	<ul style="list-style-type: none"> 802.11, 802.11b, 802.11a, 802.11g, 802.11d, 802.11h, 802.11w, 802.11k, 802.11v, 802.11r, 802.11i, 802.11e, 802.11n, 802.11ac, 802.11ax, 802.11be AP supports L2/L3 discovery AP automatically discover and join ESG6000
Roaming	Roaming	<ul style="list-style-type: none"> Support L2/L3 roaming 	<ul style="list-style-type: none"> Support L2/L3 roaming
Wireless QoS	Wireless QoS	<ul style="list-style-type: none"> AP based bandwidth limitation WLAN based bandwidth limitation 802.11e/WMM 	<ul style="list-style-type: none"> AP based bandwidth limitation WLAN based bandwidth limitation 802.11e/WMM
Client Isolation	Client Isolation	<ul style="list-style-type: none"> AP based client isolation WLAN based client isolation 	<ul style="list-style-type: none"> AP based client isolation WLAN based client isolation
Access Control	Access Control	<ul style="list-style-type: none"> Role based access control (Access Profile) WPA/WPA2/WPA3 	<ul style="list-style-type: none"> Role based access control (Access Profile) WPA/WPA2/WPA3

		<ul style="list-style-type: none"> • 802.1X Authentication • Captive Portal Authentication • MAC Authentication • Local user database • External User Database/AAA Server 	<ul style="list-style-type: none"> • 802.1X Authentication • Captive Portal Authentication • MAC Authentication • Local user database • External User Database/AAA Server
RF Management	RF Management	<ul style="list-style-type: none"> • Manual set up RF output power • Automatic set up RF output power • Manual set up RF working channel • Automatic set up RF working channel • Automatically adjust transmit rate • Automatically adjust RF output power • Traffic based or user number based AP load balance • Band Steering 	<ul style="list-style-type: none"> • Manual set up RF output power • Automatic set up RF output power • Manual set up RF working channel • Automatic set up RF working channel • Automatically adjust transmit rate • Automatically adjust RF output power • Traffic based or user number based AP load balance • Band Steering
Security	Security	<ul style="list-style-type: none"> • wIDS • wIPS 	<ul style="list-style-type: none"> • wIDS • wIPS

ORDERING INFORMATION

Model	Description
ESG6110	HAN ESG6110 enterprise Network Controller, 6x 1GbE RJ45 ports, 1x RJ45 console, 2x USB type A, embedded single AC power supply, up to 512 managed AP, no AP management license included by default.
ESG6110-W	HAN ESG6110 enterprise Network Controller, 6x 1GbE RJ45 ports, 4x SFP ports, 1x RJ45 console, 2x USB type A, embedded dual AC power supplies, up to 512 managed AP, no AP management license included by default.
ESG6120	HAN ESG6120 enterprise Network Controller, 6x 1GbE RJ45 ports plus 2x SFP+, 1x RJ45 console, 2x USB type A, embedded single AC power supply, up to 1024 managed AP tunnel, no AP management license included by default.
ESG6120-W	HAN ESG6120 enterprise Network Controller, 6x 1GbE RJ45 ports plus 2x SFP+, 1 x RJ45 console, 2x USB type A, embedded dual AC power supplies, up to 1024 managed AP, no AP management license included by default.
ESG-LIC-AP	HAN ESG enterprise Network Controller, one AP management license.