

# DH-EAC10-P

## Wireless Access Controller



- Wireless Access Controller.
- Multi WAN-port mode.
- EAP Series AP Management.
- Flexible Forwarding Modes.
- Smart Roaming Features.
- Various kinds of network authentication methods.



### Series Overview

EAC Series Wireless Access Controller (AC) is well designed and positioned for SMB network. It features gateway and AC function integration, reducing the number of devices and TCO in network. It comes with the standard granular user control management, comprehensive RF resource management, 24/7 wireless security control, fast roaming, strong QoS. When paired with EAP Series Access Point (AP), it serves as an ideal access control solution for WLAN access of SMB network.

### Functions

#### All-in-one Gateway

Performs routing and switching, and supports AP management and PoE power supplies, making it convenient for networking and testing.

#### Smart Wireless Networking

Works with AP, and performs distributed networking, and unified operation and maintenance. The device provides wide Wi-Fi coverage, seamless roaming and is plug and play.

#### Strong Control of Network Traffic Flow

Limits the uplink and downlink bandwidth, and the speed of users, meeting the needs of network management.

### Technical Specification

#### Hardware

PoE Power Supply	Yes
PoE Power	Full load: 64 W
Ethernet Port	10
Ethernet Port Speed	10/100/1000 Mbps
Description of Function Slots	Port 1-8: 8 × 10/100/1000Base-T RJ-45/PoE Out Port 9-10: 2 × 10/100/1000Base-T RJ-45
LAN Port	9 × 1000 Mbps (1 LAN port can be switched to WAN port)
WAN Port	1 × 1000 Mbps
Reset Button	1
Power Supply	External power supply: 54 VDC, 1.33 A
Power Consumption	Idling: 8 W Full load: 72 W
Protection	IP20

#### Function

802.11 LAN Protocols	802.11n;802.11b;802.11ax;802.11a;802.11g;802.11ac
CAPWAP	Layer 2 network topology between an AP and AC Enable an AP to automatically discover an accessible AC Enable an AP to automatically download configurations from an AC
Roaming	Intra-AC roaming
Forwarding	Local forwarding Centralized forwarding
Wireless QoS	AP-based bandwidth control WLAN-based bandwidth control User-based static and smart speed control Fair balancing
User Isolation	WLAN-based user isolation
User Management	Access control based on SSID user number

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RF Management	Country code configuration	Processor	Dual core
	Manual configuration of transmitting power		
	Manual configuration of working channel		
	Automatically allocation of working channel		
Scheduled reallocation of wireless channel			
PoE Protocol	IEEE 802.3af	MTBF	40,000 hours
WAN Port Function	Dynamic IP	Memory	256 MB
	Static IP	Flash	16 MB
	PPPoE	Packet Buffer Size	2 MB
	IP/Mask configuration	MAC Address List	1024
	MTU configuration	Entries of MAC Address Filtering Table	32
	TCP MSS configuration	IPv4 Forwarding	1 Gbps
	Network bandwidth configuration	Static Routes	200
	Gateway address assignment	Max. Number of Static DNS Records	256
Multi-WAN Load Balancing	NQA configuration to probe address	Max. Number of DDNS Records	4
	Distributing network traffic equally	Static ARP	1K
	Ratio load balancing	Dynamic ARP	2K
Link Detection	Multi-link for load balancing	ACL	1K
	Enable and disable link detection	L2TP Users	128
IP Routing	ICMP probe	Max. Number of Tunnels	128
	TCP probe	Max. Number of Sessions	128
VPN	Static routing	Max. Number of Concurrent Connections	200K
	Policy-based routing	New Connections	6K
DHCP Function	L2TP VPN	Max. Number of Virtual Servers	100
	PPTP VPN	Max. Number of Port Triggering	20
	DHCP Server	Aging Time of Port Triggering	10 min
	DHCP Client	Number of NAT	30
	Portal Authentication	General	
	PPPoE Authentication	Operating Temperature	-20 °C to +55 °C (-4 °F to +131 °F)
	IP/MAC Authentication	Operating Humidity	5%–95% (RH), non-condensing
	IP/MAC Binging	Storage Temperature	-40 °C to +70 °C (-40 °F to 158 °F)
	Intranet Anomaly Detection	Storage Humidity	5%–95% (RH), non-condensing
	Intranet Attack Protection	Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
Security	WAN Ping Forbid	Lighting Protection	Common mode: 2 kV
	Virtual AP	Net Weight	0.46 kg (1.01 lb)
	Multiple SSIDs	Gross Weight	0.98 kg (2.16 lb)
	SSID Hiding	Product Dimensions	190 mm × 97.5 mm × 29.5 mm (7.48" × 3.84" × 1.16") (L × W × H)
	WPA/WPA2	Packaging Dimensions	225 mm × 216mm × 66mm (8.85" × 8.50" × 2.60") (L × W × H)
	WPA3	Installation	Desktop mount
QoS/ACL	WEP(WEP/WEP128)	Certifications	CE; FCC
	TKIP		
	Traffic supervision		
	Congestion management		
Equipment Management	Congestion avoidance		
	Traffic shaping		
	IP-based speed limit		
	Traffic classification		
	Web Management		
Performance	TFTP		
	FTP		
	NTP		
	System Log		
	Ping		
Default Number of Manageable APs	10		
Maximum Number of Manageable APs	10		
Maximum Number of Configurable APs	10		
Users Capacity	1K		
Firewall	500 Mbps		
Encryption	500 Mbps		
Forwarding Capability	500 Mbps		
CPU Frequency	880 MHz		

## Dimensions (mm [inch])

