DH-PFM888S-AC

Features

- Unified management of APs up to 256
- Supports CAPWAP protocol
- Supports manual and automatic upgrade of the device
- Supports layer 2/3 network deployment
- Supports device search by manually (static IP) or dynamically
- Supports unified wireless configuration
- Supports real-time monitoring of the status of devices
- Supports multiple alerts information
- Supports sending system log
- Supports displaying device in map

Specifications

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Model		DH-PFM888S-AC
Hardware	CPU	IPQ4028
	RAM	256MB
	ROM	256MB
	Interfaces	10/100/1000M Base-TX *5 USB *1 Console *1
	Dimension	170×160×34 (mm)
	Power supply	DC 12V/2A
	Working temperature	-10℃~55℃
	Working humidity	5~95%RH
Performance	Devices managed	256
	Templates	256
	Clients	8192
Access management	IP	Supports modifying the login IP address
	User name/password	Supports modifying the user name and password to login web
	Language	English, Chinese
	Login limit	Only one user is allowed to login and the former user will be logged out if new user logins.
	Access limit	For user who haven't login, he will be redirected to login page if he visits any other URL.
Statistics	Platform	IP address, name of the platform, available memory, running time, CPU, usage of the memory, system time
	Devices	Total devices, online devices, offline devices
	Clients	Total clients, online clients, offline clients
Device management	Status of access points	Display online, offline, unregistered, upgrading, configuring, fail to upgrade, etc.
	Name of access points	Display device name of the access points
	Model of access points	Display the model of the access points
	IP address of access points	Display the IP address of access points (Supports modify the IP address of access points)
	MAC address of access points	Display the MAC address of the access points
	Software version of access points	Display the software version of access points and supports manual upgrade the software (need upload the software in advance)
	Run time of access points	Display the run time of access points
	Group name of access points	Display the group name of access points (display empty if there is no group)

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	Template name of access points	Display the template name which access points are using now. When the device goes online for the first time, it shows unregistered and empty template name.
Device management	Wireless status of access points	Display the wireless parameters of access points: type, region, mode, transmit power, channel, bandwidth, SSID
	Wireless mode of access points	Display the wireless mode of access points
	Position of access points	Display the position of access points
	Drop-down menu of access points	Display the status of access points, device name, model, IP address, MAC address, software version, run time, signal strength, wireless speed, template name, wireless service, wireless mode, position, etc.
Client management	Client list	Display online clients
	Client status	Display online, offline, unregistered, upgrading, configuring, fail to upgrade, fail to configure, etc.
	Client IP address	Display the IP addresses of clients
	Client MAC address	Display the MAC addresses of clients
	Client type	Display client type: Android/iPhone/PC
	Client signal	Display the signal strength of clients
	Client wireless standard	Display the wireless standard which clients adopt
	Client connection rate	Display the connection rate of clients
	SSID	Display the SSID which client is connecting
	Client's user name	Display the user name of client used to authentication
	Client traffic	Display the data traffic which clients have used
	Client run time	Display the online time of clients
	Client group name	Display the group that clients belong to (empty if there is no group)
	Client's AP	Display the AP that clients connect
	Clients' AP's MAC	Display the MAC address of the AP that clients connect
	Clients settings	View, delete, modify group name and off-line clients which have already authenticated
Template management	Display	Display the templates which have been saved, the details including: template name, region, channel, bandwidth, transmit power level, max transmit power, SSID, encryption type
	Template classification	New, edit, display different templates according to different clients type
	Modification	Modify the templates which have been saved
	New	New templates, available configurations are shown below:

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	Region	China, USA, Test Mode
	Channel	Select different channels according to regions
	Bandwidth	Supports 20/40/80MHz (5G-11AC mode)
	Transmit power	High/medium/low
	Multi-VAPs	AP supports max 8 VAP configuration, no TDMA; Bridge supports 1 VAP configuration and TDMA.
	SSID	Supports SSID configuration
	Hidden SSID	Supports hidden SSID
	Clients isolation	Supports clients isolation
	TDMA	Support TDMA enable/disable
Template management	Max clients limit	Supports max clients limit from 1-127, default is 20
	Authentication/encryption	Supports authentication and encryption configuration
	Restriction options	Account control and MAC control
	Online time	Controlled by day/month
	Traffic control	Controlled by day/month
	Client speed limit	Speed limit from 64-102400
	Auto-matching	Auto-matching suitable template for each online clients
Image management	Image list	Displayed by list: image name, version, information, file size, update time, etc.
	Upload	Supports upload the image
	Auto-upgrade	If enable "auto-upgrade", it will check whether the online AP matches and upgrade it automatically if it matches. It's enabled by default.
	Manual batch-upgrade	Select image version and the online devices need to upgrade. The device will check whether it matches itself. If unmatched, it'll show version unmatched; If will show information when upgrading. It shows upgrading successfully when it goes online after upgrading.
	Device status when upgrading	Check the status of upgrading device, including MAC, result, current version, upgrading version, image name and update time.
Log management	Basic settings	Including logs and alerts.
	View logs	View logs and alerts according to key words, module, level and time.
	Clear log	Support clear logs.
System setting	Basic setting	General setting: modify host name and password Time synchronization: Support select time zone, NTP server, NTP client, modify time manually Interface setting: Supports router mode and bridge mode

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	Upgrade/configuration management	Back-up/recover: supports download and save configuration file, restore factory settings, reboot
	Access control	Portal: Supports internal/external portal Radius: Supports internal/external Radius ACL rule: Supports restricted by IP and port in both black/white list Rule setting: Select ACL rule and enable Authentication account management: Supports add authentication account Authentication summary: Supports record the information of authenticated clients Internet time control: It's able to add forbidden time by week or date
Map	Online map	Supports google map and baidu map
	Auto-positioning	Auto-positioning devices according to the location information of the device;
	Manual-positioning	Adjust the location manually.
	Information	It shows MAC address, wireless mode, status, and more information will be showed after clicking: IP address, MAC address, device name, model, location, SSID, working frequency, associated clients, configuration status, run time
	Modification	By clicking the device in the map to modify parameters: device name, device location, etc. It's not allowed to edit or adjust the location of off-line devices but it's allowed to delete them.
	Off-line map	Click off-line map to switch to switch to off-line map. Modify the location of device manually. Multiple off-line maps are allowed;
Network and security	Management protocol	CAPWAP
	Discovery	Supports discovery automatically Supports discovery manually
Upgrade configuration	Upgrade	Supports web upgrade
	Out of service time when upgrading	Out of service time when upgrading average≤7 minutes

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Dimensions (mm)
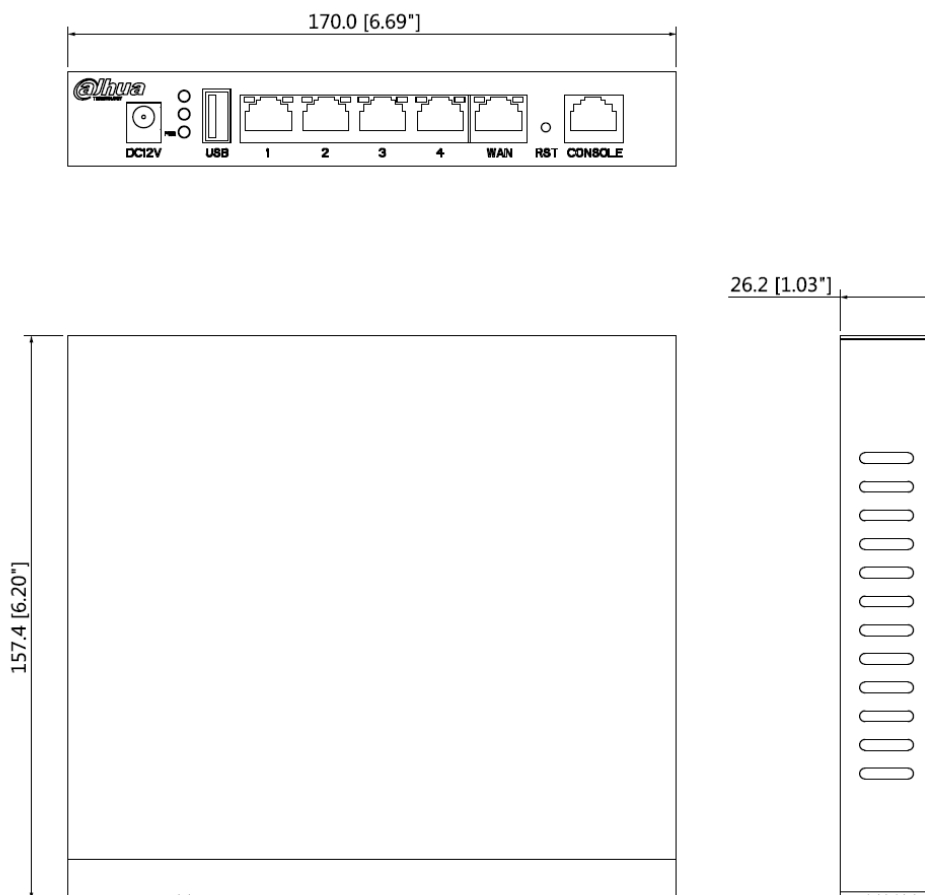
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Application Scenarios

Wall·plug CPE

AP

AP

Switch

Internet

Gateway/Firewall
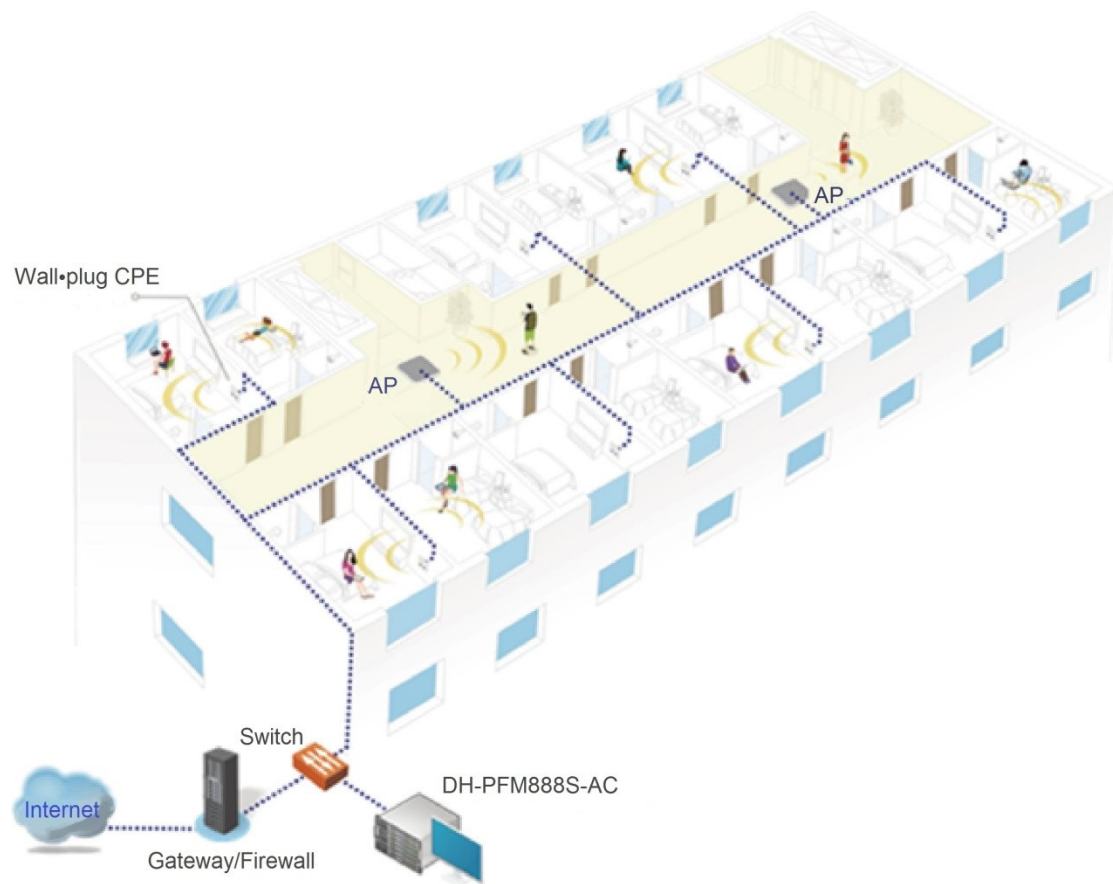
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