DUXNET

PRODUCT DATASHEET

Wi-Fi Gateway and Controller



Next-Level Control and Management of Your Wireless Network

OVERVIEW

The DUX600APC is a new-generation converged gateway designed for small and medium-sized enterprises, offices, villas, and similar environments. When paired with panel APs, ceiling APs, and outdoor APs, it delivers high-quality, high-speed, and stable wireless network coverage.

The DUX600APC integrates a built-in AC (Access Controller) and standard IEEE 802.3af/at PoE functionality. It supports dual-WAN modes (backup redundancy and traffic load balancing), provides 8 Gigabit PoE ports, and can power up to 8 APs simultaneously for faster wireless coverage. The device also offers a rich set of software features, including web authentication, PPTP/L2TP VPN, and security management.

MAIN FEATURES

- 9 Gigabit ports
- Compliant with standard IEEE 802.3af/at PoE, accurately identifies powered devices, with up to 30W PoE power per port
- Integrates gateway, AC controller, PoE power supply, and Portal authentication server in one device
- Supports dual-stack IPv4/IPv6 protocols
- Dual WAN access for broadband backup redundancy and traffic load balancing
- Cloud platform for remote centralised management
- Multiple VPN Options

Model Name	DUX600APC

GATEWAY & CONTROLLER



Hardware Characteristics	
Size	185mm×100mm×28mm
RAM	256MB
Flash	16MB
Installation	Desktop , Weak Current Box
FAN	Fanless
Interfaces	1* 10/100M/1000M WAN
	8 * 10/100M/1000M LAN (PoE/PoE+)
Buttons	Reset button
LED	PWR,SYS
Power Supply	DC 52V/1.85A
	(Outer diameter: 5.5mm, Inner diameter: 2.1mm)
Power Budget	≤96W
PoE Output	IEEE 802.3af/at
PoE Power	Port PoE Power: 30W
	Total PoE Power: 85W
AP Management	Suggested≤16APs, MAX 64APs
Concurrent Clients	Suggested≤32APs, MAX 50APs

Operating Environment	
Electrostatic Standard	Air 8kV, Contact 6kV
Port Surge	±6kV
Power Surge	±6kV
Operating Temperature	-10C～50C
Operating Humidity	10%-90%RH (non-considering)
Storage Temperature	-40C～70C
Storage Humidity	10%～90%RH (non-considering)

Software Functions	
Status Monitoring	Equipment information(model, firmware version, SN, IP, MAC, Uptime, CPU, Memory, PoE)
Network Settings	IPv4 ,IPv6
	PPPoE, Static IP, DHCP for WAN
	Automatic detection of WAN port access methods
	Dual WAN redundant links
	Port status monitoring
	Hardware acceleration for forwarding
	DHCP Server
	Static routing
	Network diagnostics
	Bypass mode

Network-Wide Management	Automatic identification of internal network devices and topology information
Centralized AP Management	AP Information Monitoring
	Country Code Switching for APs
	Unified Configuration Template Deployment
	Restart APs
	Reset APs
	Remove APs
	Upgrade APs
	AP Radio mode switching
	Wireless load balancing
	Wireless roaming
	Forced disconnection of weak-signal clients
	Roaming handover threshold configuration
	RF optimization
Clients Management	Monitoring of connected terminals' IP, MAC, and online duration
	Speed limiting
Authentication	Non-authentication, local Portal, and cloud-based Portal
	Authentication user management
	Authentication blacklist
	Authentication whitelist (non-authentication)
VPN	L2TP, PPTP, VPDN
Application	QoS
	DDNS
Network Settings	NTP
	System logs
	Kernel logs
	Configuration backup
	Reset
	Restart
Equipment Upgrade	Local firmware Upgrade
	Online firmware Upgrade



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