CPE300-G510 Product Specifications Document

Description：

YUNCORE® CPE300-G510 is a high-performance, high-speed outdoor long-range wireless bridge, featuring extended transmission distance, strong penetration capability, and superior anti-interference performance.

Features:

- Quad Gigabit Ports, 867Mbps @ 5GHz Band;

- Built-in 14dBi high-frequency board antenna ，supports up to 6KM range;

- Flexible 48V PoE/48V DC power supply; WAN port supports 802.3af/at/bt,

  LAN ports support 802.3af/at;

- Built-in TVS protection, nanosecond-level surge and lightning protection on ports;

- Easy master/slave configuration via toggle switches;

- Supports one-key pairing.

Specifications	
5GHz Operating Frequency Band	5.150GHz ~ 5.850GHz
5GHz WIFI Transmission Protocol	802.11 a / n /ac wave2
Wireless Speed	867Mbps
Antenna	Built-in 14dBi directional high-frequency board antenna
5GHz Wireless power	< 24±2dBm
Interface (WAN)	1×10/100/1000M Self-adaptive WAN Port，Supports 48V (IEEE802.3 bt/af/at) PoE input
Interface（LAN）	3×10/100/1000M Self-adaptive LAN Ports, Supports 48V (IEEE802.3 af/at) PoE output
Power supply	PoE 48V，DC 48V
Max Power Consumption	< 60W
RST Button	hold 10 seconds to restore factory defaults，Press for 1 second to initiate pairing
Slide Switch	One-touch master/slave configuration（H/C）

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Status Indicator	SYS LED、WAN Port LED、LAN Port LED、5G WiFi LED、Signal Strength LEDs ×4 (left orange led: POE，right green:Link)
Product Dimensions	190×110×50mm
Net Weight	0.3875kg
Work Environment	Working:-30℃ to 55℃；Storage: -40℃ to 70℃；Humidity： 5%～95%（Non-Condensing）
IP-rated Protection	IP65
ESD	Contact discharge: ±6kV, Air discharge: ±8kV
Surge	Differential mode: 1kV, Common mode: 2kV

Software Features	
Status Display	Displays work mode, Network topology, Signal strength, CPU/memory usage, Real-time traffic rate, Device description
	LAN info, Wireless info, Bridge info, WAN info (gateway/WISP).
Work Mode	AP Mode, Bridge Mode, WISP Mode, Gateway Mode
CPE Management (AP/Bridge Mode)	Self-management function for bridges based on the proprietary GHCP protocol
Wireless Features	SSID Broadcast, Hidden SSID, Channel Selection, Encryption Method (NONE, WPA/WPA2PSK-AES), Max Client Limit (0-64), Virtual AP Support (2)
	Country Code, Client Isolation, DFS, Radio Mode (2×2 MIMO/SISO)
	MAC Access Control: Supports Blacklist/Whitelist Mode to restrict specific MAC addresses from accessing WiFi
	Scheduled Shutdown
	BSSID Lock, Auto-Restart Policy (Watchdog Mechanism)
Security Center	URL Filtering
	IP Address Filtering
	MAC Address Filtering
	Port Mapping
	DMZ
Network Features	IPv4/IPv6
	Port Settings
	Ping
	Traceroute
	LLDP Settings
	Cloud Platform

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Device Management	Static DHCP: Binds MAC addresses to fixed IPs, supports 32 rules
	Remote Login, VPN (IPsec/PPTP/L2TP)
	Static Routing: Supports 16 routing rules
	Configuration Management
	Scheduled Reboot
	Firmware Upgrade
	NTP 、Manual & Host Time Synchronization
	System Log, Remote Log
	HTTP、Telnet、SSH、SNMP
	Traffic Control Settings
	Time Group/IP Group Management
	DDNS Settings