WIS
DATASHEET
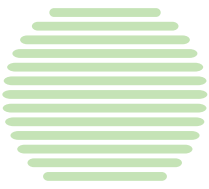
2.4GHz Economical
300Mbps Outdoor CPE

Overview

WIS new series CPE300 is a hot sell 11AC outdoor CPE with 300Mbps data rate.Comply with IEEE 802.11b/g/n standard, with 8dBi dual polarized high gain antenna, the PTP/PTMP distance is more than 1000 meters. It supports Wireless AP, Wireless Bridge operation mode for PTP/PTMP connections,save much human work and cost, make the long range wireless coverage, data transmit and wireless monitoring simple and professional.

Multiple Protection for Stable Performance

WIS-CPE300 with ABS waterproof, dustproof and sunscreen shell, temperature adaptive also; Meantime, it supports 24V passive PoE,ESD protection and surge protection, ideal for outdoor use.

Features

- Comply with IEEE 802.11b/g/n standard
- 8dBi dual polarized high gain antenna
- 2*10/100 Mbps Ethernet LAN ports.
- supports 24V passive PoE and 4KV lightning protection,ideal for outdoor use.
- IP65 water-proof, dust-proof, suit for multiple harsh environments.
- support Wireless AP, Wireless Bridge operation mode for PTP/PTMP.
- Independent hardware protection circuit design,automatically recover abnormal CPE.
- support watchdog self-detection function, reboot and recover device automatically

Patent QSDK firmware, independent core algorithm
HiMAX private protocol, effectively avoid Wi-Fi interference.

2.4GHz High Speed with Long Outdoor PTP/PTMP Range

Comply with new and least 11ac technology, pure 2.4GHz band, 300Mbps data rate,faster wireless speed with less Wi-Fi inter-ference,signal more stable,widly be used in wireless security or long range PTP/PTMP connections.
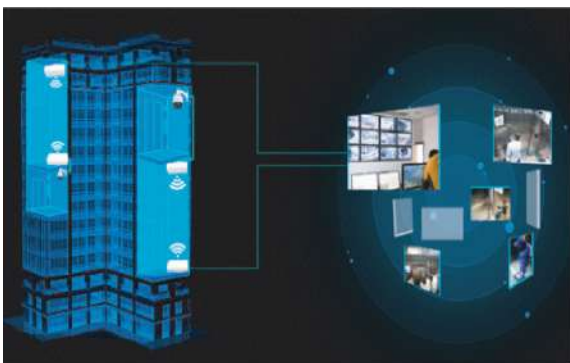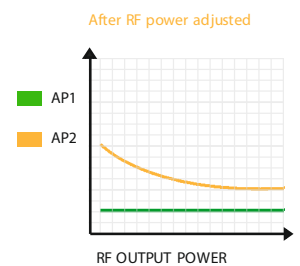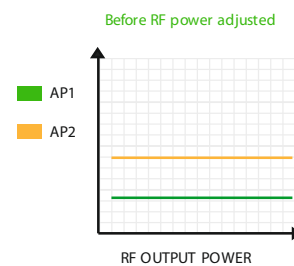
Professional outdoor shell suit for multiple harsh environment

Adopt outdoor ABS Plastic shell,simple and elegant! Support professional lightning protection,IP65 water-proof,suit for multiple harsh environment (-40°C-70°C),also can work stable

Adjustable RF Power,lmprove Wireless Quality

Adjustable RF Power, Improve Wireless Quality. The transmission RF power is adjustable based on environment, Cut down RF power in place with high density of people or wireless AP to reduce Wi-Fi interference, Increase RF power in large area to improve the signal strength.

Before RF power adjusted

AP1
AP2

RF OUTPUT POWER

After RF power adjusted

AP1
AP2

RF OUTPUT POWER

Elevator monitoring application scenarios

2.4GHz frequency, 300Mbps high speed, effectively ensure clear and smooth monitoring picture.

Outdoor Water-Proof/ Surge protection/ Long Range Distance.

Distance up to 1000 meters. Receive distance up to 1000meter, easy to transmit 4K video.With AP and client operation mode, easy to achieve PTP/PTMP wireless connection, meet with long range wireless transmission in buildings, factories, rural areas, squares.

Cloud remote management system

It support cloud remote management, administrator can monitor the working status, upgrade firmware, reboot, timed reboot device through cloud server, recover and maintain device at any time and any location, operator level outdoor PTP/PTMP connection equipment.

Watchdog design, No internet lose

Independent hardware protection circuit design,automatically recover abnormal CPE Build in watchdog protection circuit,will automatically reboot when CPE work abnormal,ensure stable signal transmission.

Watchdog   Self Inspection   Link Detection

Multiple Application Scene

PTP/PTMP Wireless Transmission Elevator Monitoring Wireless Transmission Enterprise WLAN Transmission Long distance Wireless Transmission
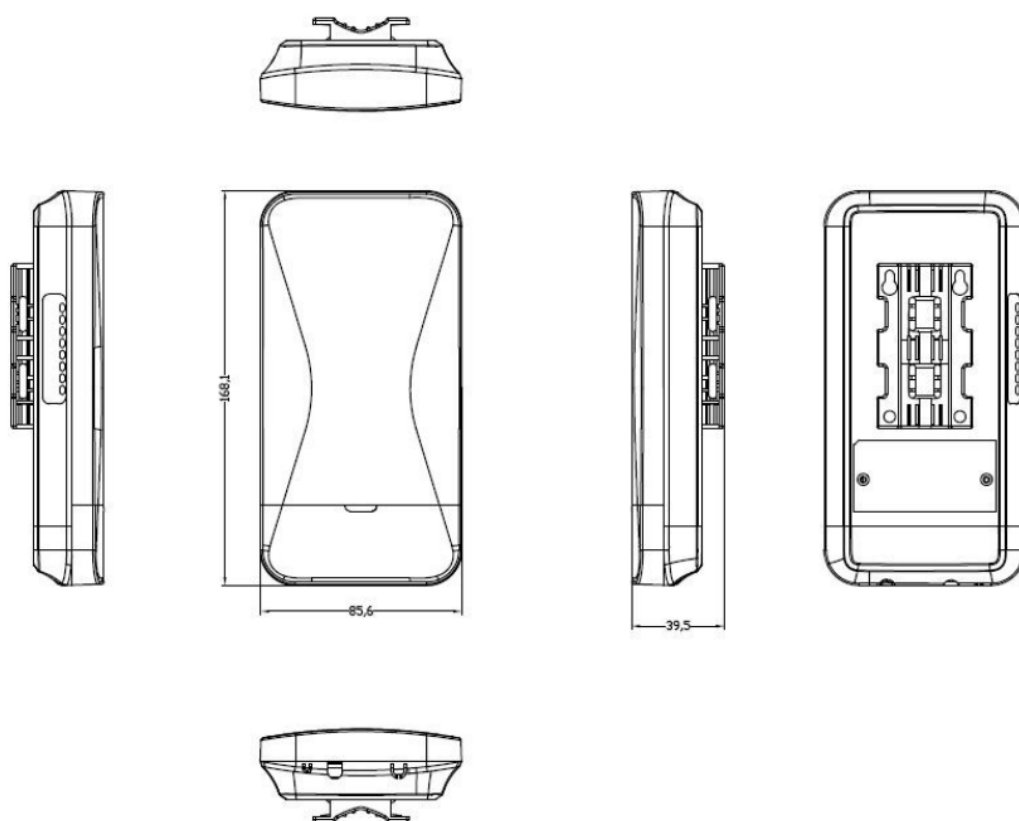
PTP/PTMP
Wireless Transmission

Elevator Monitoring
Wireless Transmission

Enterprise
WLAN Transmission

Long distance
Wireless Transmission

www.wisnetworks.in

SPECIFICATION

Model	WIS-CPE300				
Flash	8M				
DDR2	64M				
2.4G frequency	2.412 GHz ~ 2.484GHz				
2.4G WIFI protocol	802.11 b / g / n				
Antenna	2.4G directional panel antenna, gain： 8dBi				
Max Rate	300Mbps				
2.4G TX Power	802.11b	11M	19±2dBm	1M	20±2dBm
	802.11g	54M	17±2dBm	6M	19±2dBm
	802.11n HT20	MCS7	16±2dBm	MCS0	18±2dBm
	802.11n HT40	MCS7	16±2dBm	MCS0	18±2dBm
2.4G Receiving Sensitivity	802.11b	11M	-85dBm	1M	-94dBm
	802.11g	54M	-73dBm	6M	-90dBm
	802.11n HT20	MCS7	-71dBm	MCS0	-89dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
2.4G EVM	802.11b: ≤-10 dB ； 802.11g: ≤-25 dB ； 802.11n: ≤-28dB				
ppm	±20ppm				
WAN	1*10/100M WAN, support 24V passive POE				
LAN	1*10/100M LAN				
Power	PoE 24V, DC 12V				
Max Power Consumption	<3W				
Reset	Long press for 10 seconds to restore the factory default configuration, and short press for 1 second to initiate pairing				
Switch button	Choose AP/ Repeater working mode				
Indicators	SYS, WAN, LAN, 5G WIFI, signal*4				
Dimension	168mm*86mm*39mm				
Weight	0.5kg				
Temperature	Working: -20°C to 55°C； Storage: -40°C to 70°C； Humidity: 5% ~ 95%(Non-Condensing)				
IP Grade	IP65				
ESD	Air:±8K, Touch:±6K				
Electrical Surge	Common Mode: 2K, Differential Mode: 1K				
Certification	CE, RoHS				

Dimension

ORDERING INFORMATION

WIS-CPE300   300Mbps Wireless Outdoor CPE

CE | RoHS

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