Navijin

DATASHEET

WIRELESS INFRASTRUCTURE / LONG RANGE WIRELESS BRIDGE

NP-CPE510

5.8Ghz 3KM 300M High Power Digital Wireless

PRODUCT PAGE

NP-CPE510



Overview

The Navijin NP-CPE510 is an outdoor long-range wireless bridge for point-to-point and point-to-multipoint links – 5.8Ghz 3KM 300M High Power Digital Wireless Bridge. Key specifications include: 3KM wireless transmit for carrying 15pcs cameras; Support AP/Client/Repeater mode; Support digital display, one-click pairing. It connects buildings, gates, cameras and remote sites without cabling, and is used in campuses, industrial zones, farms, ports, oil and gas sites and city surveillance projects.

Key Features

- 3KM wireless transmit for carrying 15pcs cameras
- Support AP/Client/Repeater mode
- Support digital display, one-click pairing
- 2x 10/100Mbps Ethernet ports
- Built-in 14dBi 5.8G dual polarization directional antenna
- Supports DC 12V 1A power supply or 24V PoE power supply

Hardware Specifications

Wireless Technology	5G: 300M IEEE 802.11a/n/ac 1T1R technology
Memory	64MByte DDR2
Flash	8MB
Network Interface	2x 10/100Mbps adaptive RJ45 network interface
Button	1x digital switch / reset button
Switch	Master-slave dip switch; Master: access point mode / Slave: client mode
Indicator Light	Signal / ETH network interface status / Power / System / Digital tube

Power Supply	DC 12V 1A / 24V 1A non-standard PoE
Power Consumption	<10W
Environment	Working: -30°C~55°C(Humid.: 10%~90%) / Storage: -40°C~70°C(Humid.: 5%~95%)
Dimensions	250mm x 90mm x 48mm
Weight	0.46kg
Antenna	Built-in high gain 14dBi directional plate antenna (horizontal 60°, vertical 15°)
Level of Protection	IP65, 2KV lightning protection

RF Characteristics

Frequency Range	4900GHz ~ 5850GHz
Modulation Method	OFDM = BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM; DSSS = DBPSK, DQPSK, CCK
Output Power	11a @54M: 20±2dB, @6M:23±2dB 11n 20MHz: @MCS9:20±2dB, @MCS0:23±2dB 11n 40MHz: @MCS9:20±2dB, @MCS0:23±2dB 11ac 40MHz @MCS9:20±2dB, @MCS0:23±2dB 11ac 80MHz @MCS9:20±2dB, @MCS0:23±2dB
Reception Sensitivity	11a: <-72dbm@54Mbps, <-89dbm@6Mbps 11n 20MHz: <-71dbm@MCS8, <-89dbm@MCS0 11ac 40MHz: <-66dbm@MCS9, <-84dbm@MCS0 11ac 80MHz: <-63dBm@MCS9 <-81dBm@MCS0
EVM	802.11n: ≤-28 dB 802.11a: ≤-25 dB
Frequency	<±20ppm

Software Features

Working Mode	Master AP (bridge access point), slave AP (bridge client), switch by dip switch
Network Mode	Point-to-point, point-to-multipoint (within 8 points)
Management	WEB management
Bridge Configuration	Wireless mode: Bridge access point / Bridge client switching
Network	Static IP / dynamic acquisition
System	Login password change, restore factory, local upgrade

Warranty & support Local RMA and technical support through our regional hub in Dubai and our authorized partners. Certificates and project pricing on request. **navijin.com** · **sales@navijin.com**

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