

2.4G 300Mbps Wireless AP CPE Bridge-Up to 3km

Model:7OW502



Overview:

7inova 7OW502 Outdoor High Power Wireless Bridge CPE 300Mbps features up to 1000mw Wireless transmission power, has a built-in 14dBi antenna which provides an efficient way to pick up and maintain a stable signal for a wireless network connection ranging 3km kilometers.

7OW502 operates seamlessly in the 2.4GHz frequency spectrum and provides wireless data transfer rates of up to 300Mbps. It is designed to provide a WISP connection and long distance wireless networking solution.

7OW503 adopts dustproof, waterproof for the case, can work in different outdoor environments. For easy to manage, it supports remote reset function.

The user-friendly column design, nice and neat, supports 24V PoE power supply and DC12V power, flexibly choose CPE or AP working mode to meet different environmental application requirements.

Features:

High-performance 300mbps wireless speed, with coverage up to 3km, the signal is strong and stable.

Fat and thin AP integrated design, flexible choose gateway, AP, repeater, WDS operation mode.

Realize the effective balance of the number of users, traffic and wireless signals between devices.

With LED signal lights to show signal strength, easy to find a suitable place of outdoor CPE

With LED display to show and configure its Channel, IP address. Support Power over Ethernet. Ideal solution for CCTV surveillance.

14dBi high gain directional antenna, long range more than 3000m.

ABS waterproof, dustproof and sunscreen shell, temperature adaptive and board protective.

Hardware Specification:

Chipset	Atheros9531		
Supporting Standards	IEEE802.3u MDI / MDIX 10/100 Fast Ethernet IEEE802.11b/g Wireless LAN Port IEEE 802.11n Wireless LAN Standard		
DDR	64MB		
Flash	16MB		
Input	24V passive PoE (WAN port)		
Antenna	14dbi Antenna		
Wireless	WIFI : 2×2 (2Tx,2 Rx)		
LAN Port	1*10/100Mbps Ethernet Port for LAN		
WAN Port	1*10/100Mbps Ethernet Port for WAN		
DC Power Injector	1*DC injector		
LED Display	Current mode; wireless channel; signal strength		
Reset Button	restore to factory settings		
LED Indicator	Power; LAN; WAN; WIFI		
Switch Button	Function Select Button		
Transmission Rate(2.4g)	11b: 11M, 5.5M, 2M, 1Mbps 11g: 54M, 48M, 36M, 24M, 18M, 12M, 9M, 6Mbps 11N:6.5M, 13M, 13.5M,19.5M, 26M,27M, 39M, 40.5M,52M, 54M,58.5M, 65M,81M,108M,121.5M,135M,150Mbps,300Mbps		
Transfer Method	DSSS		
RF Power	11b: @11M:19±2DB, @1M:19±2DB 11g: @54M:15±2DB, @6M:18±2DB 11n: @MCS7:15±2DB, @MCS0:18±2DB		
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK		
Frequency Range	2.312GHz to 2.4835GHz		
Output Power	1000mW		
Receiving Sensitivity (2.4g)	IEEE 802.11b 1Mbps ≅ -95dBm 11Mbps ≅ -89dBm	IEEE 802.11g 6Mbps ≅ -92dBm 54Mbps ≅ -73dBm	IEEE 802.11n HT 20 MCS 0 ≅ -86dBm MCS 7 ≅ -68dBm HT 40 MCS 0 ≅ -83dBm MCS 7 ≅ -65dBm
EVM	11n: ≤-28 DB 11g: ≤-25 DB 11b: ≤-10 DB		
End users	Max 64		
Operating temperature	-20~+55°C		
Operating humidity	10%~90% RH		
Storage temperature	-40~+75°C		
Storage humidity	10%~90% RH		

Software Specification:

Supporting Standards	IEEE 802.11b/g/n
Wireless working mode	Wireless AP, Gateway, WISP, Wireless Bridge, WDS
WPA Encryption	WPA、WPA2、WPA-PSK、WPA2-PSK、WPA/WPA2-PSK
Wi-Fi Channel Analysis Tool	Support
Hide SSID	Support
AP Isolation	Support
ACL Visit Control	Support
Wireless MAC Filter	Support
Port Mapping	Support
User List	Support
Local Upgrading	Support
System LOG	Support
WEB UI Management	Support Web UI restart, restore factory settings
Other Management	Support Remote Management, WLAN Controller, Cloud Management
Protocols	IPv4
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Package Including	7OW502 300Mbps Outdoor CPE 1*24V/0.5A PoE Adapter 1*Ethernet Cable QIG flyer Setting Accessory