

www.wisnetworks.in



3.Bridge Ways

Quickly Installation Guide

Two bridge ways:WDS Key Bridge & LED Display Bridge,Choose The way based on request

1. One Key Bridge

1. Config Master/ Slave CPE

Put the switch to M, CPE will work as Mast. Put the switch to S, CPE will work as Slave.



2.Point to Point Connection

Press reset button on both master and slave CPE, will start briding.

Point to mult Point Connection

Press reset button on master and mult slave CPEs, will start briding.

Note: Master CPE and slave CPE bridging actions (press reset button) need to be finished

in 1 minute.



2.LED Display Bridge

1.Config Master CPE When bridge two CPEs, make one work as master: press "F" to make H/ C blinking, and press "S" to change to "H", it will save automatically in 5 seconds. 2.Config Slave CPE Set another CPE to work as slave: press "F" to make H/ C blinking, and press "S" to change to "C", it will save automatically in 5 seconds.

Note:

1.CPE default working mode is AP mode after reset, IP is 192.168.2.2

2.F is select button, can be used to choose master/ slave working mode, wifi channel, IP, and checking signal strength

3.S is config button, can be used to set master/ slave working mode, wifi channel, IP

3.Point to Point Connection

Press reset button on both master and slave CPE, will start briding.

Point to mult Point Connection

Press reset button on master and mult slave CPEs, will start briding.

Note: Master CPE and slave CPE bridging actions (press reset button) need to be finished in 1 minute.



4. Change Wifi channel

To avoid signal interference, need to change master CPE wifi channel only, slave CPE will reboot and bridge to master CPE automatically. Press F twice, change channel by press S, CPE will save and reboot automatically in 5 seconds.



Check wireless connection

After ip address configuration, connect to CPE's wireless SSID: Wireless 5.8G, and input password (Default Password:66666666)

Properties

2.Login Web configuration

Use IE Browser to access https://192.186.2.2(Master) / https://192.186.2.100(Slave) pop up the login page shown below,input the login password:admin,enter into the home page.

Login Web Interface					
INTELLIGENT 900M WIRELESS BRIDGE					
	* Login Device admin a	Dogin			

Homepage

G	Operation Mode Super WDS Mode © Device Location		Plow	- WDS Down Steam	WDS Up Steam
Witzard	P 4	(· •			
CPE			-		
(Ref)	Uptime:00:04:19		133 133 134	N.965 N.955 N	19130 N.ST.00
46	Fi Device Information	is LAN Information	is WDS Information	SWIFI Inform	nation
Network	O'U'Usage 4% Nenory Usage 42%	P Vinde Det P'hron AC Las IP 98238422/1889 Salvet 25525550 AC Addres 922 88383 VHC Addres 44255A423246	500gz Open (base AP850 NA AP850 NA AP850 NA AP850 NA AP850 NA	Solar Tell Status SSD Durrul Inrupt MEC Addres	ON CON CONTRACTOR OF CONTRACTO

www.wisnetworks.in

Setu	up Wizard
Repeater Mode	AP Mode

Repeat mode Bridge the exist wireless signal then transmit Wi-Fi for more range

AP mode

In this mode, NAT, DHCP, firewall, and all WAN-related functions are turned off. All wireless and wired interfaces are bridged together, regardless of LAN and WAN

3.Bridge Status



Login CPE (work as repeater), will see signal strength, green is normal, between -70dBm to -40dBm.

5.Login WEB by Mobile Phone

Outdoor CPE support mobile phone Login and set, the configure page showed as follow:



Steps:

- Mobile phone connect with outdoor CPE, SSID:Wireless5G, password:666666666, or please refer to product sticker for SSID, password.
- 2.Configure static IP

Static IP address configuration on Android Mobile Phone

Open settings in phone, turn on WLAN and find the SSID of the CPE, touch it for a long time until there is a menu, then choose' static IP' in the menu, set the mobile phone IP address as 192.168.2 X (X can not be 253 or 252), same network segment as CPE, subnet mask: 255.255.255.0, then gateway, subnet mask and domain .

Static IP address configuration on IOS Mobile Phone

Open settings and choose Wi-Fi, connect with CPE, click exclamation mark(), manual to set IP address 192.168.188.X (X can not be 253 or 252) and subnet for mobile phone, note: mobile phone's IP address should be same network segment as CPE.

3.Input 192.2 $\,$.188.253 on the internet explorer bar, input admin to login the mobile configuration page.

	•••)	(_•• ∘ `)	(=	
800 0 0 0 0 0 0 0	文口圖95	I	18:00 @ @ 83 8 = 3 4	*05%	d in the second s	18:00 @ @ 20 8 = 0	1 × ±
WLAN		1	Canel yunlink 5.8G t	Network details 🔝		Canel yunlink 5.80	G Network details
WLAN	•		Link speed	400Mbps		Gateway	192.168.82.1
CONNECTED			Security	None		PROXY	
yunlink 5.8G Connected	÷ [P address 1	680 5281 4c8 585 7646	[None	>
winlink				192, 168, 82, 199		IP SETTINGS	
Baved			Subnet mask	255.255.255.0		Static	>
AVAILABLE NETWORKS			Gateway	192.168.82.1		IP address	192.168.2.2
123456789	÷ 🔊					Gateway 1	192.168.2.2
BDCOM-0000	÷ 📀	I	PROXY			prefix length	24
BBCE 2.40	@ D		None			DNS 1	8.8.8.8
BU 2 40 200	I		IP SETTINGS			UNS 2	6.8.4.4
6*_2_46-200	♥ ⊙		P sets	191		Modify	- naturely
BV_5_8G-200			> 0HCP			Forget	t network
0			Static				_
= O	⇒)	(⊃∍,)		_ ⇒
	_	(1). A	Indroid syste	m setup ste	eps	_	
		(1). A	Indroid syste	m setup ste	eps		
		(1). A		m setup ste	eps		<u> </u>
]•		(1). A		m setup ste	eps		•
0 	19 20ME/r	(1). A	Controld syste	styme'	eps	(Back Config	0 Instance iPed
C . Settings	(* 304E)*	(1). A		setup ste	eps		0 Not 250 gare IPv4
o settings Q Search	(5 20MC)*	(). A	Control d system	setup ste	eps	C Back Config Automatic	0 10.9 gare IPvd
C (14) Settings	5 mb ²	(). A	Control d syste	setup ste	ps	C Back Confly Automotic Manual Boote	0 Itom 2-10 gare IPvd
e e e e e e e e e e e e e e e e e e e	() () () () () () () () () () () () () ((). A	Control System Control	transport	ps	C Back Config Autoratio Manaal Boot?	0 by 240 gyre IPrd
e settings Settings Apple ID Suggestime	0 mm ⁻	(). A	Compared a system	*********************************	ps	Contract of the second	0 gyre IPv4
c c settings Gaseth Apple ID Supporture Apple ID Supporture	0 mD ⁻	(). A	Immediate Immediate <t< td=""><td>m setup ste</td><td>ps</td><td>→</td><td>0 gyre IPv4</td></t<>	m setup ste	ps	→	0 gyre IPv4
Apple ID Suggestions		Ш. А	Comparing a system Comparing a syste		:ps	more status ≠ < Rean Config Automatil Roadell Readell Readell Readell Readell Readell Readell Readell Readell Readell Readell Readell Readell Readell <b< td=""><td>0 1931 2 4 4 1922 100, 22 255 200, 255 X. X.X</td></b<>	0 1931 2 4 4 1922 100, 22 255 200, 255 X. X.X
C C C C C C C C C C C C C C C C C C C	 (a) (a) (a) (a) (a) (a) (a) (a) (a) (a)	Ш. А	(:ps	C Son Centry Alarvade Narvade Narvade Mathem P Adama Rober 1 2 3 4	0 100
Constant of the second se		Q. A	Image: Control of System Image: Con		₽ ps		0 110 110 110 110 110 110 110 1
0 0 0 Settings 0 0 Apple ID Support/na 0 0 MAD 0 0		Q.A	Image: Control of System Image: Con		ips	Image: control of the contro	0 112 109 2 4 4 10 112 109 2 2 35 20 20 35 X. X. X 5 6 7 6 9 () 5 6 7 1 ,
Control Contr		۵.۵ ۲	C Constant € C		eps	Average Average	0 112 105 22 255 200 25 X X X 5 6 7 8 9 2 1 9 4 9 9 1
Control Contro Control Control Control Control Control Control Control Control Co		۵.۵ •	روی از این		eps •	Autoration Autoration Boost Bo	0 102 102 102 102 102 102 102 10
Constant of the second	9 (0.0) 9 () 10 (0.0) 10 (0.0) 1	۵.A	ها المحافظ المحافظ روان المحافظ المحافظ للمحافظ المحافظ المحافظ للمحافظ المحافظ المحا للمحافظ المحافظ الم لمحافظ المحافظ المحاض	+ + + + + + + + + + + + + + + + +	eps	Image: Constant and the second and the seco	0 100
Constraints	7 2 20 C	۵.۵ •	المراجع المراجع <t< td=""><td>- ++++++++++++++++++++++++++++++++++++</td><td>eps</td><td>- -</td><td>0 102 105 22 352 200 35 5 6 7 8 9 7 10 7 102 105 22 352 200 35 7 8 9 7 10 7 102 105 22 102 105 20 102 100 100 102 100 100 100 100 100 100 100 100 100 100 100</td></t<>	- ++++++++++++++++++++++++++++++++++++	eps	- -	0 102 105 22 352 200 35 5 6 7 8 9 7 10 7 102 105 22 352 200 35 7 8 9 7 10 7 102 105 22 102 105 20 102 100 100 102 100 100 100 100 100 100 100 100 100 100 100
e contrata de la cont		۵.A			₽ps ►	Image: Second	Uter 102 100 2 102

Wireless Bridge Regional Channel Code Instructions

Regional Code	5G Channel	
	5.180GHz	(Channel 36)
	5.200GHz	(Channel 40)
	5.220GHz	(Channel 44)
	5.240GHz	(Channel 48)
	5.260GHz	(Channel 52)
China	5.280GHz	(Channel 56)
China	5.300GHz	(Channel 60)
	5.320GHz	(Channel 64)
	5.745GHz	(Channel 149)
	5.765GHz	(Channel 153)
	5.785GHz	(Channel 157)
	5.805GHz	(Channel 161)
	5.825GHz	(Channel 165)
	5.180GHz	(Channel 36)
	5.200GHz	(Channel 40)
	5.220GHz	(Channel 44)
	5.240GHz	(Channel 48)
	5.260GHz	(Channel 52)
	5.280GHz	(Channel 56)
	5.300GHz	(Channel 60)
	5.320GHz	(Channel 64)
	5.500GHz	(Channel 100)
	5.520GHz	(Channel 104)
	5.540GHz	(Channel 108)
	5.560GHz	(Channel 112)
America	5.580GHz	(Channel 116)
	5.600GHz	(Channel 120)
	5.620GHz	(Channel 124)
	5.640GHz	(Channel 128)
	5.660GHz	(Channel 132)
	5.680GHz	(Channel 136)
	5.700GHz	(Channel 140)
	5.745GHz	(Channel 149)
	5.765GHz	(Channel 153)
	5.785GHz	(Channel 157)
	5.805GHz	(Channel 161)
	5.825GHz	(Channel 165)

Regional Code	5G	Channel	
	5.180GHz	(Channel 36)	
I F	5.200GHz	(Channel 40)	
I F	5.220GHz	(Channel 44)	
I F	5.240GHz	(Channel 48)	
I F	5.260GHz	(Channel 52)	
I F	5.280GHz	(Channel 56)	
Ι Γ	5.300GHz	(Channel 60)	
Ι Γ	5.320GHz	(Channel 64)	
	5.500GHz	(Channel 100)	
ETSI	5.520GHz	(Channel 104)	
	5.540GHz	(Channel 108)	
	5.560GHz	(Channel 112)	
	5.580GHz	(Channel 116)	
	5.600GHz	(Channel 120)	
	5.620GHz	(Channel 124)	
	5.640GHz	(Channel 128)	
	5.660GHz	(Channel 132)	
	5.680GHz	(Channel 136)	
	5.700GHz	(Channel 140)	
Regional Code	2.4G Channel		
	2.412GHz	(Channel 1)	
	2.417GHz	(Channel 2)	
	2.422GHz	(Channel 3)	
	2.427GHz	(Channel 4)	
	2.432GHz	(Channel 5)	
	2.437GHz	(Channel 6)	
China	2.442GHz	(Channel 7)	
	2.447GHz	(Channel 8)	
	2.452GHz	(Channel 9)	
	2.457GHz	(Channel 10)	
	2.462GHz	(Channel 11)	
	2.467GHz	(Channel 12)	
	2.472GHz	(Channel 13)	
	2.412GHz	(Channel 1)	
	2.417GHz	(Channel 2)	
	2.422GHz	(Channel 3)	
	2.427GHz	(Channel 4)	
	2.432GHz	(Channel 5)	
America	2.43/GHz	(Channel 6)	
	2.442GHz	(Channel 7)	
	0.117.011	(
	2.447GHz	(Channel 8)	
	2.447GHz 2.452GHz	(Channel 8) (Channel 9)	
	2.447GHz 2.452GHz 2.457GHz	(Channel 8) (Channel 9) (Channel 10)	

Trouble Shooting

Trouble	Reason	Solution
Packet Latency	1.Wireless Interference 2.Distance is too long,or there are some bar between them 3.CPE's angle in wrong direction, weak signal	1.Use Wi-Fi analysis to choose the best channel, or change to 5G CPE 2.CPE should be in normal distance, and avoid bar 3.Adjust the angle of CPE according to signal strength
Wrong password	1.Forget password 2.Input wrong password 3.Too much cookie	1.Press reset button in 10 seconds to reset device, the default password is admin 2.Re-input the password 3.Clear cookie,run arp-d to clear MAC table.
Can not login WEB	1.Local IP is not in the same network segment of CPE 2.IP is taken by other devices 3.LAN Connection or Ethernet cable has problem 4.Too much cookie, MAC address haven't update	1.Ping 192.168.188.253 to see connection status 2.Stop other devices or change to another IP 3.Check LAN Connection and Ethernet cable 4.Clear cookie,run arp -d to clear MAC address
System LED light off	1.PoE power supply is not working 2.Some problem in CPE's PoE port 3.Ethernet cable is loose, R45 port is wrong Power current/voltage lower or wrong	1.Check if POE Adapter or POE switch work 2.Check if POE port of CPE is OK 3.Check if Ethernet cable is loss;if Ethernet cable plugged in to POE port 4.Check if voltage is normal if socket has problem, if input voltage of POE adapter is normal
Low transmission Rate	1.Packet Latency 2.Ethernet cable circuit 3.Network virus attack 4.Too much access users	Adjust the distance, angle and channel to decrease latercy Z.Check if there is circuit in the network S.Check if port isolated to avoid network virus and broadcast storm A.Decrease the access users.
Device always dead	1.Static electricity 2.Running time too long 3.Lightning stroke	1.Make CPE or POE adapter need ground connection 2.Running time over 7 days, reboot it 3.After lightning,device POE port broken or unstable, better to deploy lightning conductor.