

# Gigabit Industrial Bridge Repeater VAR1200-H/VAR1200-L/VAR1800-H/ VAR1800-L/VAR600-H/VAR600-L

**Quick Setting Guide** 

## Statement

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## Notice

The parameters used in the screenshots shown in this manual are only for reference of setting examples and may not be completely consistent with the actual situation. Please set the parameters according to your actual needs.

Due to different software versions, the screenshots shown in this manual may not be exactly the same as the web interface of the product you purchased. Please configure your product according to the actual web interface.

## Product application and secondary development precautions

1. Problems related to wireless interference:

- 1.1 Use the ping command to test the wireless transmission performance. If it is found that the delay of the ping packet response is extremely uneven, and there are many responses with a large delay, it can basically be judged that the wireless has been strongly interfered;
- 1.2 The product antenna should be kept as far away as possible from sources of interference, such as switching power supplies, antennas of other modules or wireless products, etc.;
- 1.3 If it is too close to the antenna of other wireless products, it will cause mutual interference, resulting in an increase in the transmission bit error rate and a slower transmission rate. At this point, the wireless signal must be properly attenuated. The methods of attenuating the signal include adding obstacles, extending the distance, and adding a resistor in series between the antenna feed point and the antenna, etc., to meet the actual application requirements;

2. Selecting a suitable power supply is the key to good and stable wireless transmission and stable operation of the product. Improper power supply will cause damage to the product or poor wireless performance. The selected power supply must meet the voltage range and input power requirements of the power supply input, and the ripple must be less than the required maximum power supply ripple (100mV);

3. POE related issues:

- 3.1 If the product has PSE function (POE output), it needs 48V power supply voltage and meets the power requirements of POE output before it can be used;
- 3.2 If the network port of the product has a POE output port, if it is connected to other non-POE network ports, please use it with caution, and ensure that the access network port is isolated from the ground, otherwise it may cause damage to the connected product!
- The safest way is: let the product use a two-pin switching power supply without ground (AC TO DC, AC input is two-pin instead of three-pin).

## The adapter power supply in all the schematic diagrams shown in the following figures are externally connected to the power supply.

	Trai	nsmission distance	e para	meter table	e (Table 1	)	
Model Number	Antenna type	Frequency Band		Barrie point-t transr distar referen	er-free to-point nission nce(for ce only)	Transmis (Mł	sion Rate
VAR1200-L	Built in	2.4GHz 300m		400m	3	00	
		Power Supply Para	amete	er Table (T	able 2)		
Model N	umber	Wide voltage p	oower	- supply	Output Power	Typical power supply	Ripple
		No POE output power supply	DC12V48V ≥30		≥30W	12V/3A	<100mV
	00-L	With POE output power supply	DC48V ≥57W		48V/1.2A	<200mV	
The standard supply carefu performance	kit of this p lly accordin may be deg	product does not in g to "Table 2", othe graded.	iclude erwise	a power s the produ	supply, plo ct may be	ease select damaged c	the power or the WiFi

#### Notice:

In the actual application environment, if the POE output port (PSE) is connected to a non-POE network port (PD is an access network port), please use it with caution, and ensure that the access network port is isolated from the power ground, otherwise it may cause the access device to fail. damage! When the power input is 48V (≥57W), the POE output is valid!

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## **Chapter 1 Application Mode**

1.1 Bridge + Repeater Mode(In the actual application environment, if the POE output port (PSE) is connected to a non-POE network port (PD is an access network port), please use it with caution, and ensure that the access network port is isolated from the power supply ground, otherwise it may cause the access device. damage!)

There are three application modes for the bridge mode of VONETS device: WiFi repeater, WiFi bridge and WiFi AP.

#### • WiFi Repeater:

VONETS device as WiFi Repeater, it must be configured to source WiFi hostpot parameters, can be used to extend the wireless signal coverage of existing APs or wifi router.



#### • WiFi Bridge:

VONETS device as WiFi bridge, it must be configured to source WiFi hotspot parameters, can be used for devices only with Ethernet ports to access wireless networks.



#### • WiFi AP:

VONETS device as WiFi AP, it can achieve wireless access to wired LAN, no configuration required, plug and play.



1.2 Router Mode(In the actual application environment, if the POE output port (PSE) is connected to a non-POE network port (PD is an access network port), please use it with caution, and ensure that the access network port is isolated from the power supply ground, otherwise it may cause the access device. damage!)

• The VONETS device is used as a wireless router. The default Ethernet port is the WAN port, and the default Ethernet cable is the LAN port. The WAN and LAN ports are interchangeable (the shell is marked with WAN/LAN ports);



• The VONETS device is used as a wireless router, and the WAN port can be set to connect to a WiFi hotspot and used as a secondary router. Its Ethernet port and Ethernet cable are both LAN ports.



### **Chapter 2 Bridge+Repeater Mode Configuration Instruction**

2.1 Device connect(In the actual application environment, if the POE output port (PSE) is connected to a non-POE network port (PD is an access network port), please use it with caution, and ensure that the access network port is isolated from the power supply ground, otherwise it may cause the access device. damage!)

Power on VONETS device by 12V/3A power supply, then connect to PC, there are two connection ways as below:

A. Computer is wired connected to LAN port of VONETS device;



(Recommend Method)

B. The computer wirelessly connects to the WiFi signal of VONETS device, its default hotspot parameters are as follows:

WiFi SSID: VONETS\_\*\*\*\*\*\* (corresponding to VONETS device MAC address) WiFi password: 12345678



(After the WiFi parameters are configured, the WiFi will be disconnected, that is normal.)

#### 2.2 Bridge+Repeater Application Configuration

The configuration steps of VONETS device for WiFi repeater and WiFi bridge are basically the same, so this manual combines the configuration instructions of the two application modes.

1. After computer is connected to VONETS device, open browser, input configured page: http://vonets.cfg (or IP: 192.168.254.254), then press Enter;



2. Input User name and Password in login page (both are "admin"), click "Login" button to enter configured page;

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← → C ▲ 352±1102108254254/say			* = * 0 4 (*)
VONETS	O Enghith ● 研究	ami	 Login

3. "Scan Hotspots", choose the source hotspots, click "Next";

Operative Visitor	. V	VIFI Hotspots				
Operating Mode						
Southangeds (55)	The	antwork manually. Then, click	Next.	None crost He	mean List, or an	NUCLEUM REALES OF
		100	1442	Cramel	They had	Initial line
Will Repeater		VONETS_Epecial2.4G_0162	00-17.13.a1.01.67	1	100(-3745/1)	2.40
		WOWETS 2 40 1 DHE2	00.17 13 41 01 65	() 表)	100(-370±m)	2.40
Series Lettings		VONETS_Offc#2.4G_0162	00.1713.91.01.65	7	100i-37dbm)	2.40
		Chinafael-GYaT	16:52:02:23 w0 ht	13	100(-47:00/10	2.40
A BM Continues		Chanafvel-iQj	10.00.09.09.20.20	10	100(-50(tbm)	2.40
Contra Destinada		H3C_VGNET8_2.4G	49:78 (0.0100)		96(-5.2dbm)	2.40
		10100	0000017764080	35	78,-29dpmp	20
Terring Function		H3C_VONETS_SU	48.78.88.07.05.30	901	7.8:40100000	-50

- 4. Input "Source wireless hotspot password", click "Apply";
- IP layer transparent transmission (factory default), transparent transmission of IP layer data, can meet most of WiFi bridge applications;
- MAC layer transparent transmission, transparent transmission of all data above the MAC layer (link layer) and MAC layer, including IP layer data. MAC transparent transmission can solve some special applications for MAC layer encryption, such as

GoPro camera, Cisco AP, Hikvision monitoring system, etc;

- The option "The configuration parameters of WiFi repeater security is synchronized with source hotspot" is default ticked, it means the SSID of VONETS repeater is associated with the SSID of the source hotspot, and the WiFi password is the same as the password of the source hotspot;
- **Disable hotspot**, if you select "Disable hotspot" on the right side of the SSID, the device will not transmit the corresponding hotspot and can only be used as a bridge application;
- Advanced Setting, include Hot spot authentication match mode, WiFi Signal Motion Detection and SSA Signal strength alarm threshold, these options here can be kept unchanged, for instructions on this option, go to www.vonets.com and download the "V Series WiFi Bridge Advanced Features Instruction";

Operating Maste	Discretly Settings			
	\$ND	VIDNETS_2 40_1_0162		
Steel Lamakota SS	Source WIFi hotspot password			
Will's Reprinter	ADDITION THE IN HIT HONOR	Normal hotspot	onnection	
	Transmission mode	• IP layer transparent O MAC lay	er trænsparent	
System Settings	The configuration parameters of WIFI mpeaker security is synchronized with source hotspot			
LAN Similary	2 40 WFI Repeater SSID	VONETS_2.4G_1_0162_2.4G_0 VONETS_0ff(a2.4G_0180 VONETS_0ff(a2.4G_0180	Disable Hotspot     Disable Hotspot     Disable Hotspot     Disable Hotspot	
floring Exection	5G WFI Repeater SSID	VONETS_2.4G_1_0142_5G_80 VONETS_Of6x85G_0180 VONETS_Special5G_0180	Disable Hotspot     Disable Hotspot     Disable Hotspot     Disable Hotspot	
	Property of the local division of the	CONTRACTOR INCOME.		

5. Click "Reboot", VONETS device will connect to the configured WiFi hotspot automatically, if connection is successful, the WiFi LED light will flash quickly;

#### VONETS——Gigabit Industrial Bridge Repeater

Operative Status	WIFI Hotspots		
Operating Mude	Bourse WEP hotspat password	12346678	
	Application type of Brc Hotspot	Normal hotapot. O Emergency c	onnection
And Amount So	Transmission mode	· Player transparent O MAC lay	er tracepalent
Will the states	The configuration parameter	ers of WiFi repeater security is synchron	iced with source hotspot
Nythere Gettinge	2.40 WFI Repeater SSID	VONETS_2.4G_1_0162_2.4G_8 VONETS_Office2.4G_0180 VONETS_Special2.4G_0180	Disative Hotspot     Disative Hotspot     Disative Hotspot     Disative Hotspot
LARS Settings	50 WFI Repeater SSID	VONETS_2.40_1_0182_5G_80 VONETS_0ffce5G_0180 VONETS_Special5G_0180	Cisable Hotopot     Disable Hotopot     Disable Hotopot     Disable Hotopot
	Advanced Telling (For specific	Apple allocations (sells )	
	If you want to add one more hot	tspot, piwase click "Continue Add" butto	n. Ta Cantour Ada
	To make the new parameters of	fective, after parameters are configured	please clos "Report" button

Model	Blue Light	Yellow Light	Red Light
	2 4G Connection	Ethernet Cable	POE Output
VAR1200-L	Status Light	Connection	connection
		Status Light	light

#### 2.3 AP Application Configuration

VONETS device can be configured as an AP application, the wireless terminal device can connect to VONETS device hotspot to connect to the network; however, it is best to change its WiFi name and password for network security.

1. Log in to the configuration page http://vonets.cfg (or IP: 192.168.254.254you're your computer browser, both user name and password are "admin";

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4 → 0 ▲ FES 10/10/254254xag				► c × 0 8 (#1)
VONETS	D beginn • ex	atral	] -	Loge

 Change the WIFI name: select "Basic Settings" in "WIFI Relay", enter the new WIFI name in the text box after the SSID, and click the "Apply" button; Note: There are a total of 6 hotspots in dual-band, you can set the account name and password accordingly;

#### VONETS——Gigabit Industrial Bridge Repeater

Service Statist	Basic Settings	WiFi Security WiFi Client
Operating Mode	2.412 Windows Network	1
	Will Hardware Module	Enable C Disate
Logis Hompore	Company Memory 82825	VONETS_2.4G_1_0180 Hidden C Disable Hotspot C
Automatics and the second	a contrar de l'homeses promp	00.17.13.A1.01.83
Marchine 22	Office Liniteset 05001	VONETS_Office2.4G_0180 Hidden C) Disable Hotopot C)
fustion Gattings	Server receipter matern	00:17 12:A1:01:94
	Brock Hotel PRID	VONETS_Special2.4G_0180 Hidden C Disable Hotopot C
:LAN Settings	and the state of the second	00 1T 13 A1 01 85
	Nataron Mode	118/G/N 🕶
Timme Function	Selact channel range	1-14 *
	Channel	2442MHz (Channel 7) 💌 🗇 Auto select the best channel
	WFI Tx Power	Normal Power(19:08m) C Enhanced Power(25:08m)

3. Revise WiFi password, in "WiFi Repeater"---"WiFi Security", enter new WiFi password in "Pass Phrase", click "Apply";

Operative Status	Basic Settings	WIR Security	WIFI Client	
Operating Mode	[2-4c] WPI Security			
	Repeater SSID	VONETS_2	4G_1_0180 -	
Sian Hotspots	Security Mode	VONETS 2	IG 1 0160	
Will Benefiter ANN	WPA Algorithms	VONETS_S	secial2.4G_0180	
maringene 27	Pass Phrase	12345678	(5-63 characters or 64 hex numbers)	
System Settings	SSID	Pass Phrase		
	VOWETS_2.40_1_0180	12345579		
TAN Serious	VONETS_Office2.4G_8180	12345678		
over some de	VONETS_Special2.4G_018	12345678		
stanting the second	(5G) WFI Security			
Conserve Conservent	Repeater SSID	VONETS 5	3 1 0180 👻	

4. Reboot device, jump to "System Settings"---- "Reboot Device", click "Reboot", when it is finished, all revised options will take effort.

Operative Status	Reboot Device	Advanced Setting	Login Settings	Firmware Upgrade
Operating Mode	Reboot Device			
Scan Hotspots	Reboot Device	Rebool		
WiFi Repeater				
System Settings $\gg$				
LAN Settings				

Remark 2: When VONETS device connects to external network, its IP address will be changed. At this time, when log in configured page, we suggest you enter configured domain

name: http://vonets.cfg. Or in Windows command window, enter the command: ping vonets.cfg, to get the IP address of the device, then log in configuration page by this IP address

#### **Chapter 3 Router Mode Configuration Instruction**

- 3.1 Change device mode (In the actual application environment, if the POE output port (PSE) is connected to a non-POE network port (PD is an access network port), please use it with caution, and ensure that the access network port is isolated from the power supply ground, otherwise it may cause the access device. damage!)
- 1. Power on VONETS device by 12V/3A power supply, then connect to PC, there are two connection ways as below:

A. Computer is wired connected to LAN port of VONETS device;



#### (Recommend Method)

B. Computer wirelessly connects to the WiFi signal of VONETS device, its default hotspot parameters are as follows:

WiFi SSID: VONETS\_\*\*\*\*\*\* (corresponding to VONETS device MAC address) WiFi password: 12345678



(After the WiFi parameters are configured, the WiFi will be disconnected, that is normal.)

2. After computer is connected to VONETS device, open browser, input configured page domain name: http://vonets.cfg (or IP: 192.168.254.254), then press Enter;



3. Enter User name and Password in login page (both are "admin"), click "Login" button to enter configured page;



4. In "Operating Mode", change Device mode to "Router" mode, click "Apply" Button;

West and the second	Brother
Scatt Humpoly	WiFi Bridge (Bridge + WiFi Signal Repeater)
Westingenter	
System Settings	
LAN Settings	
	Hoden D V

5. Reboot device: go to "System Settings"-- "Reboot device", click "Reboot" button, VONETS device will automatically switch to router mode.

Operative Status	Reboot Device	Advanced Setting	Login Settings	Firmware Upgrade
Operating Mode	Febret, Denice	-		
Scan Hotspots	Reboot Device	Reboot		
WEI Repeater				
sten Settings >>>				
LAN Settings				

#### 3.2 WAN port settings

#### 3.2.1 WAN/LAN exchange

In routing mode, the WIFI hotspot of the VONETS device is the WAN port and the Ethernet cable is the LAN port, and the WAN/LAN can be interchanged;

The WiFi of the VONETS device is the WAN port by default, and the Ethernet cable is the LAN port by default. If the interface mode is changed to "WAN/LAN interchange", the Ethernet cable is the WAN port, and the WiFi is the LAN port (no modification required);

Ciperaturiii Mode >>	Deruse, Mode		
WAYI Sellings	Router	•	(2000) (1)
LAN Somings			Adapter
With Settings		Modern	- <b>T</b>
( Fromat:	Internet	6-6-6-6	
Nowinding Ride			
System Settings	Interface Auto-		
	<ul> <li>Befault BUUDAS part defin</li> </ul>	A.	

#### 3.2.2 WAN Port connection method

By setting the WAN port of the router, you can change the network connection type according to the actual needs of the individual, there are three types of WAN port connections commonly used in the routing mode of VONETS device: DHCP(Auto Config), PPPoE(ADSL) and WiFi. DHCP and PPPoE are wired connections, and the WAN port needs to be connected to the source network through a wired connection:

- DHCP(Auto Config): WAN port connection type is selected as "DHCP(Auto Config)", VONETS device will automatically obtain IP address from source network;
- PPPoE(ADSL): WAN port connection type is selected as "PPPoE", that is, ADSL virtual dialing mode requires ISP (Internet Service Provider) to provide Internet account and password;
- WiFi: WAN port connection type is selected as "WiFi", VONETS device uses a built-in WiFi network card (used to connect to the source hotspot) as a WAN port, and all Ethernet ports as LAN ports, while providing WiFi hotspot functions.

#### 3.2.3 WAN port wired connect network——DHCP

The default WAN port connection method of VONETS device is DHCP. WAN port can automatically obtain an IP address after connecting to the source network.

Operating Mishe	WAN Connection Type			
	Connection Type	[DHCP (Auto config) ♥		
WAN HITHER 222	Remote Management	O Disette 🖷 Enative		
LAN Settings	DHO! Milds			
	Hostrame	VONETS COM		
With Settings	MAC Chrise			_
Tirenall	MAC Address	(	Gel PC MAC	
Formarding Rule	labelity the parameters restart	the device to take effect.		

#### 3.2.4 PPPoE WAN port wired connect network——PPPoE

In "WAN settings", select "Basic settings", change the connection type to "PPPoE (ADSL)", then enter the Internet account and password provided by the ISP (Internet Service Provider), click the "Apply" button, and reboot VONETS device, then can access to network.

Operative libras	Basic Settings	DONS ICMP Query
Operating Mode	WWW Connection Type:	
which factoring $\gg$	Connection Type Remote Management	PPPoE (ADSL)  Disable  Enable
CAN Settings	PEPTE Mode	
	User Name	17760386590@163.sz.com
With Settings	Paesword	[managed]
Finand		Always on 👻
Forwarding Balt	Operation Mode	Always on model Reduil Period 60 seconds Dial on Demand model kile Time 6 minutes
System Settings	ASAT Care	
Timing Punction	MAC Address Wodify the parametism, resta	Oet PO MAC
Waterd		Enter I free

#### 3.2.5 WAN port wireless connect network---- WiFi

1. In "WAN Settings", select "Basic Settings", change Connection type to "WiFi", then click "Scan Hotspots" to enter the scanning hotspot list.

#### VONETS——Gigabit Industrial Bridge Repeater

Operating Mode	WWW Contraction Type	2000
	Connection Type	WIFT V
WWW.tettingi >>	Remota Management	O Deate 🔎 Enable
LAN Settings	WFI Mitche	
	\$\$D	
Willi Settinge	MAC Address	
	Connection Status	Disconnected
Trevel .	Scan Hotspots	Bican Histopots
	IP settings	DHCP (Auto config) 🛩
Forwariing Pulv	DHCP Mode	
Former Familieur	Hostname	VONETS COM
CONTRACTORS		
Timing Tumpion	Modify the parameters restart	the device to take effect.
		Apply Cu

#### 2. Choose the source hotspots, click "Next";

Operative Seaton	B	asic Settings	WiFi Security	WIFI C	lient.	WIFi Hotspots	
Cleventing Mode				and produce of		And the second second	
walk Settings	the	rotseark manually. Th	m, click Next.	not restaut p	KINDE CHUK PO	inesia care or ea	NCC 1018-35-3547-174
		630	MAC		Channel	5218	BANE
LAN Settings		VONETE_2.4G_CT68	00:17:13	1517.68	7	100(-35dbm)	2.40
escueramentes (U)		YONETS 2 4G 1,010	00 17:13.	1:01:85	7	1001-35(001)	2.40
mittaning SS		VONETE_2.40_6418	00.17.13	34:64:18	Ŧ	105(-35dbm)	Z.4G
11 miles (20		VONETS_Special2 40,	0162 00.17 13	x1.01.67	27	100(-36dbm)	2.40.
Care all 101		VONETS_Office2.4G_0	162 00.17.13	u1.01.66	Ť.	100(-36cbm)	2.40
Firmul		ChinaNet-SYaT	18:52 82	23:46:13	13	100(-42;0)(1)	2.43
		ChinaNet+6);	10.50 #9	(9.94.28	10	100(-50dbm)	2.40
Fernanding Kala		HSC_VONETS_24G	48.7 <i>a</i> da	theb th	9	100(-50dbm)	2,49
				There are	40 wreeks re	bworn.	
System Settings	0	SSID					
Taning Fundrum						Refeat Lat	Rebot
And						/	

- 3. Input "Source wireless hotspot password", click "Apply"
  - The option "The configuration parameters of WiFi repeater security is synchronized with source hotspot" is default ticked, it means the SSID of VONETS repeater is associated with the SSID of the source hotspot, and the WiFi password is the same as the password of the source hotspot;
  - **Disable hotspot**, if you select "Disable hotspot" on the right side of the SSID, the device will not transmit the corresponding hotspot and can only be used as a bridge

application;

 Advanced Setting, include Hot spot authentication match mode, WiFi Signal Motion Detection and SSA Signal strength alarm threshold, these options here can be kept unchanged, for instructions on this option, go to www.vonets.com and download the "V Series WiFi Bridge Advanced Features Instruction";

and the second second			
Openating Mode	Security Settings		
Manage Humits	990	VONETS_2.40_1_0162	
WAY Sattings	Bource WFI hotspot pervevorat		T
LAN Settings	Application type of Srt Hotspot	Normal holispot C Emergency of Company of	prrector
	The configuration parameter	ers of WIFI repeater security is synchron	ruped with source hotspot
: Will Lettings		VONETS_2.4G_1_0162_2.4G_0	🗆 Oisable Hotspot
	2.40 WEI Repeater SSID	VONETS_Office2.4G_0180	C Disable Hotspot
Trend		VONETS_Special2.4G_0180	Disabie Hotipot
Description in the		VONETS_2.40_1_0162_50_00	🗇 Disable Hotspot 🖾 Disable WIF: Hardware
The second second second	5G WIFI Repeater SSID	VONETS_Office5G_0100	Disabile Hotspot
System Settings		VONETS_Special5G_0100	Disable Hotepot
	Advanced Satisfy Charlesoft	angle states may )	
Torving Function	In the second se	AND DO NOT A	
			Addres Back

4. Click "Reboot", VONETS device will connect to the configured WiFi hotspot automatically, if connection is successful, the WiFi LED light will flash quickly;(Please refer to Remark 1 for the description of the LED light.)

			111000000000000000000000000000000000000
Operating Mode	SSID	VOINETS_2.4G_1_0162	
	Source WiFi hotspot paseword	12345678	
WWW Services	Application type of Sit-Holspot	Normal holspot. O Emergency of	onnection
LAN Settings	The configuration parameter	ers of WIFI repeater security is synctron	ized with source hotspot
Withoning >>	2.4G WIFI Repeater BBID	VONETS_2.4G_1_0162_2.4G_8 VONETS_Office2.4G_0180 VONETS_Special2.4G_0180	Disable Hotspot     Disable Hotspot     Disable Hotspot     Disable Hotspot
Freemall Formatting Bale	50 WFI Receater SSID	VONETS_2.4G_1_0162_5G_80 VONETS_Office5G_0180 VONETS_Special5G_0180	Deable Hotspot     Deable WFI Hardwark     Deable Hotspot     Deable Hotspot     Deable Hotspot
System Settings	Advanced Setting ( For specific	auskalans arty ( )	
Timing function			Dach
Want	To make the new parameters of	fective, after parameters are configured	please cicx 'Recoot' button.

Remark 3: After VONETS device sets the WAN port to access the WiFi hotspot in the routing mode, its LAN port IP is still 192.168.254.254, and the terminal device also obtains the IP address of the same network segment, can login configuration page by 192.168.254.254 or http://vonets.cfg.

#### 3.3 Set WiFi hotspot parameters

1. Change the WIFI name: select "Basic Settings" in "WIFI Settings", enter the new WIFI name in the text box after the SSID, or select the WiFi transmit power according to the actual application scenario, and then click the "Apply" button;

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2. Change WIFI password: select "WIFI Security" in "WIFI Settings", enter a new WIFI password in the text box after the key, you can set different passwords for different hotspot names, and then click the "Apply" button;

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3. Reboot device, jump to "System Settings"---- "Reboot Device", click "Reboot", when it is finished, all revised options will take effort.

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## Chapter 4 Other components and installation method

## 4.1 Other components

1、 Power Adapter (POE option) (48V/1.2A)	2、 Power Adapter (No POE option) (12V/3A)
3、 DC terminal block (Standard Accessories)	

#### 4.2 Industrial chassis rail hook kit installation

1. Snap the VONETS device to the chassis rail



#### **Appendix Frequently Asked Questions**

1. How to reset to the factory default parameters?

Power on the device, after 60 seconds, long press Reset button until 5 seconds, the blue light will flash a few, then the device will automatically reset to the factory default parameters (it will take about 80 seconds to reset the device), during the recovery of the factory operation, the product can't be powered off, otherwise it may cause the product to damage.

- Do VONETS device support firmware upgrade, how to upgrade?
   VONETS devices support firmware upgrade, and support online upgrade, please visit website: www.vonets.com to refer to the related documents
- 3. The device WiFi hot spot can be found, but the smart phone or PC can't connect to this device hotspot?
  - Reason 1. Due to some unexpected operation or power down, caused the destroy of device parameters. At this time, just need to reset the device to factory default parameters;
  - Reason 2. The device WiFi doesn't work at the best channel, make the performance worse. At this time, you can try to change the source WiFi hot spot and this device WiFi channel to make the performance better;
  - Reason 3. The smart phone or PC haven't configured the correct WiFi password.
- 4. The device has been configured the source WiFi hot spot parameters, the smart phone

#### VONETS——Gigabit Industrial Bridge Repeater

or PC has connected to the device WiFi hot spot, but still doesn't get internet?

- Reason 1. The distance between the device and source WiFi hot spot is too long, cause the communication performance degradation, finally effect the user's access to the Internet. At this time, just need shorten the distance between the device and source WiFi hot spot to solve this problem;
- Reason 2. Due to some unexpected operation or power down, caused the destroy of device parameters. At this time, just need to reset the device to factory default parameters;
- Reason 3. The device WiFi doesn't work at the best channel, make the performance worse. At this time, you can try to change the source WiFi hot spot WiFi channel to make it the same as the default channel of the device, the reboot the device, the device will automatically exchange to the same channel as the source WiFi hotspot, to make the performance better;
- Reason 4. There are several WiFi hot spot around the device, WiFi channel mutual interference, make the performance worse. At this time, you can try to change the source WiFi hot spot and this device WiFi channel to make the performance better;
- Reason 5. The configured source WiFi hot spot parameters are not correct. At this time, just need to configure the correct parameters then reboot.
- 5. The smart phone or PC has been connected the device by WiFi or Ethernet cable, but user can't log in the device WEB page, or after log in the WEB it shows error?
  - Reason 1. The users don't use the browser recommended by VONETS(IE,Google Chrome, Safari, the mobile phone browser);
  - Reason 2. The smart phone or PC installed the firewall, the security level is set too high, caused the above problem. At this time, only need to close the firewall;
  - Reason 3. The security level of browser is too high, it will also cause the above problem. At this time, just need to reduce the browser's security level, then log in again;

Reason 4. The IP address of the device input error. For the new device from the factory, user only need input the correct IP address according to the instruction guide; for the device that has connected the source hot spot, user only operate according to <<u>Remark 2></u>.

## **FCC Warning**

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- •
- Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- •
- Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- •
- Reorient or relocate the receiving antenna.
- -Increase the separation between the equipment and receiver.
- -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.
- •
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.