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Vonets VAP11S

Vonets VAP11S Mini WiFi Bridge/Repeater/Router User Manual

Detailed instructions for setup, operation, and troubleshooting.

1. Introduction

The Vonets VAP11S is a versatile industrial-grade 2.4GHz WiFi device designed to function as a WiFi Bridge, Repeater, Router, or Wireless Access Point. It enables wired devices to connect to a WiFi network and extends existing wireless coverage. This manual provides essential information for the proper installation, configuration, and use of your VAP11S device.

2. Product Overview

2.1 Key Features

- Industrial Mini 2.4GHz WiFi Router/Bridge/Repeater/Wireless Access Point/WiFi to Ethernet RJ45/WiFi Adapter.
- Supports connecting wired devices to WiFi (e.g., security systems, DVRs, IP cameras, PLCs).
- WiFi Rate: 300Mbps, supports 802.11B/G/N wireless protocol.
- Equipped with 2 external antennas for enhanced data transmission distance.
- Includes 1 RJ45 network port, supporting up to 2 wired and 20 wireless devices simultaneously.
- Multiple power supply options: DC5V-24V (typical 5V/2A), with two-stage automatic overvoltage protection (up to 27V).
- USB or DC powered modes available.

2.2 Device Components

The Vonets VAP11S device includes the main unit, two external antennas, a USB power cable, and an Ethernet cable. It also comes with a fixing kit and an industrial DC connector for various installation needs.

Image: The Vonets VAP11S device, showing its compact design with two external antennas, a USB power cable, and an Ethernet cable.

Image: A detailed diagram highlighting the various ports and components of the VAP11S, including the LAN port, LAN/WAN port, USB power input, DC power input, and the reset button.

3. Setup

3.1 Power Supply

The VAP11S supports a wide voltage input of DC 5V-24V. It can be powered via the included USB cable (typical 5V/2A) or through the DC power input. Ensure the power source meets the specified voltage range to prevent damage. The device features two-stage automatic overvoltage protection up to 27V.

3.2 Physical Connections

1. **Connect Antennas:** Screw the two external 2.4GHz antennas onto the connectors on the VAP11S device.
2. **Power On:** Connect the USB power cable to a 5V USB power adapter or use the DC power cable with a compatible power source (5V-24V).

3. **Ethernet Connection:** Depending on the desired operating mode, connect an Ethernet cable to the LAN or LAN/WAN port.

3.3 Initial Configuration

To configure the VAP11S, connect a computer directly to the device's LAN port via an Ethernet cable. Access the device's web-based management interface by entering its default IP address (refer to the product packaging or manufacturer's website for the specific IP address) into a web browser. Follow the on-screen instructions to set up the desired operating mode and network parameters. It is recommended to consult the official configuration video or detailed manual provided by Vonets for a successful one-time setup.

4. Operating Modes

The Vonets VAP11S supports multiple operating modes to suit various networking requirements.

4.1 WiFi Bridge Mode

In Bridge mode, the VAP11S converts a WiFi signal into a wired signal, allowing wired devices (e.g., desktop computers, DVRs, PLCs) to connect to a wireless network. It effectively replaces the need for a physical network cable run to the main router.

Image: Illustration of the VAP11S acting as a WiFi bridge, providing network connectivity to a wired computer from a wireless router.

4.2 WiFi Repeater Mode

As a Repeater, the VAP11S extends the coverage of an existing WiFi network. It receives the wireless signal from your main router and re-transmits it, eliminating dead zones and improving signal strength in areas with weak coverage.

Image: Diagram showing the VAP11S extending the wireless signal from a main router to cover a larger area within a building.

4.3 WiFi Router Mode

In Router mode, the VAP11S can create a new wireless network from a wired internet connection. This is useful for providing wireless access to multiple devices in a new location or segmenting a network.

Image: Illustration of the VAP11S functioning as a WiFi router, connecting to the internet via a modem and providing wireless access to various devices.

4.4 Access Point (AP) Mode

AP mode allows the VAP11S to convert a wired network connection into a wireless access point. This is suitable for scenarios where a wired network is available, and wireless connectivity is required for devices like laptops and smartphones without dialing.

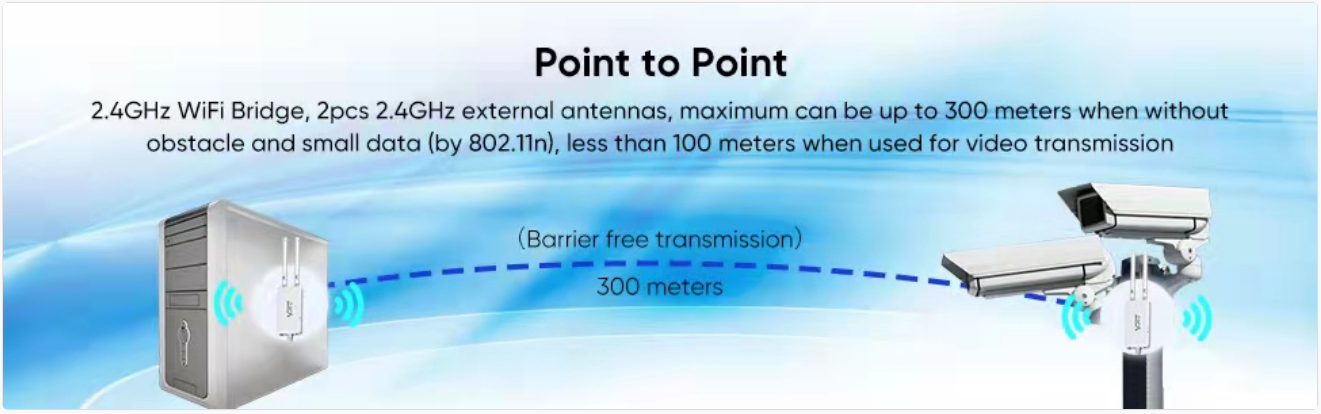

Image: A diagram illustrating the VAP11S in AP mode, providing wireless access to devices from a wired internet source.

4.5 Point-to-Point Transmission

The VAP11S can be used for long-distance point-to-point wireless transmission, connecting two remote locations wirelessly. With two VAP11S devices, a barrier-free transmission distance of up to 300 meters can be achieved (less than 100 meters for video transmission).

Image: A visual representation of two VAP11S devices establishing a point-to-point wireless link, connecting a local network to remote devices like surveillance cameras.

5. Typical Applications

The industrial design and versatile functionality of the VAP11S make it suitable for a wide range of applications, particularly in industrial and commercial environments.

- **Industrial Automation:** Connecting PLCs (Programmable Logic Controllers) and other industrial control devices to a wireless network.
- **Surveillance Systems:** Providing wireless connectivity for DVRs and IP cameras.
- **Retail & Logistics:** Integrating electronic scales, cashiers, and attendance machines into a network.
- **Robotics:** Enabling wireless communication for robots and robot arms.
- **Medical Devices:** Connecting medical equipment to hospital networks.
- **Entertainment:** Connecting gaming consoles (e.g., PS3), set-top boxes, and network printers.

Image: A collage depicting various application scenarios for the VAP11S, such as connecting robots, electronic scales, printers, PLCs, and attendance machines.

6. Specifications

Feature	Specification
Brand	Vonets
Model Number	VAP11S

Feature	Specification
WiFi Standard	802.11b/g/n
Data Transfer Rate	300 Mbps
Frequency Band	2.4 GHz (Single-band)
Power Supply	DC 5V-24V (Typical 5V/2A)
Connections	1x RJ45 Ethernet, 1x USB (for power), 1x DC Power
Special Features	USB Print Server
Operating System	Linux
Item Weight	80 Grams
Device Dimensions	94 x 45 x 15 mm (approximate, from image)

7. Troubleshooting

If you encounter issues with your VAP11S, consider the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected and the power source (USB or DC) is providing adequate voltage (5V-24V). Check for power indicator lights on the device.
- **No WiFi Connection:** Verify that the VAP11S is configured correctly for the desired mode (Bridge, Repeater, Router, AP). Check the WiFi connection status light (Blue Light). Ensure the SSID and password entered during configuration match your network.
- **No Ethernet Connection:** Check the Ethernet cable connection to both the VAP11S and the connected device. Verify the Ethernet connection status light (Yellow Light). Try a different Ethernet cable.
- **Cannot Access Web Interface:** Ensure your computer's IP settings are compatible with the VAP11S's default IP range. Try resetting the device to factory defaults by pressing and holding the reset button for several seconds (refer to the device diagram for location).
- **Poor Signal/Slow Speed:** In Repeater mode, ensure the VAP11S is placed within good range of the main router. Adjust antenna orientation. Check for sources of interference.
- **Configuration Failure:** Review the configuration video or manual carefully to ensure all steps are followed precisely. Incorrect settings can lead to connectivity issues.

8. Maintenance

To ensure optimal performance and longevity of your Vonets VAP11S, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the device with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Firmware Updates:** Check the official Vonets website periodically for firmware updates. Keeping the firmware updated can improve performance, add new features, and fix bugs.
- **Environmental Conditions:** Operate the device within its specified temperature and humidity ranges. Avoid exposure to extreme temperatures, direct sunlight, or moisture.

9. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official Vonets website. The manufacturer provides support resources and may offer specific warranty terms for your region.

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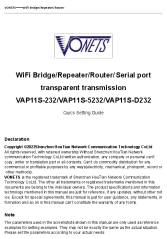
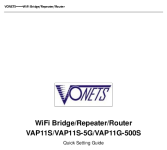
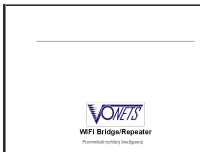
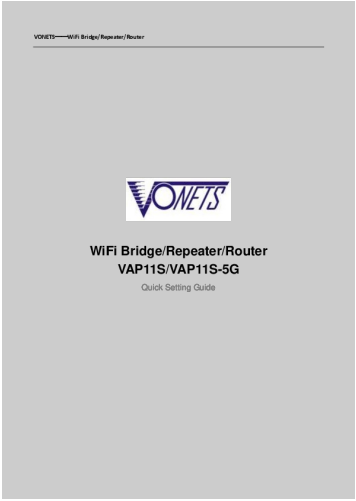
Related Documents - VAP11S

	VONETS VAP11S Series WiFi Bridge/Repeater/Router & Serial Port Guide This Quick Setting Guide from VONETS details the VAP11S series WiFi Bridge, Repeater, and Router devices (models VAP11S-232, VAP11S-5232, VAP11S-D232). It covers setup, configuration for various modes including serial port transparent transmission, and troubleshooting, designed for enhanced network connectivity.
	VONETS WiFi Bridge/Repeater/Router VAP11S/VAP11S-5G/VAP11G-500S Quick Setting Guide Quick setting guide for VONETS VAP11S, VAP11S-5G, and VAP11G-500S WiFi Bridge, Repeater, and Router devices. Learn how to configure modes, network settings, and installation.
	VONETS MINI300 300M WiFi Repeater Quick Setting Guide A concise guide to setting up the VONETS MINI300 300M Mini WiFi Repeater, covering its functions as a WiFi Repeater and Intelligent WiFi Bridge, with step-by-step instructions for wireless configuration.
	VONETS VM300-L/VM300-H WiFi Module Quick Setting Guide A comprehensive guide to setting up and configuring the VONETS VM300-L and VM300-H WiFi modules in Bridge+Repeater and Router modes, including WAN port settings and troubleshooting.
	VONETS Series Product Manual: WiFi Repeater, Router, and Bridge Setup Guide Comprehensive guide to setting up and troubleshooting VONETS WiFi repeaters, routers, and bridges. Covers Class A, B, and C product series with detailed instructions and common fault solutions.



[VONETS WiFi Bridge/Repeater - Przewodnik Szybkiej Konfiguracji]
Szczegółowy przewodnik konfiguracji urządzenia VONETS WiFi Bridge/Repeater, opisujący tryby pracy (Repeater, Bridge, AP), podłączanie, ustawienia sieciowe, konfigurację punktu dostępu oraz często zadawane pytania. Zawiera również informacje o certyfikacji zgodności CE.

Documents - Vonets – VAP11S



[pdf] User Manual Specifications Guide Decleration of Conformity Warranty
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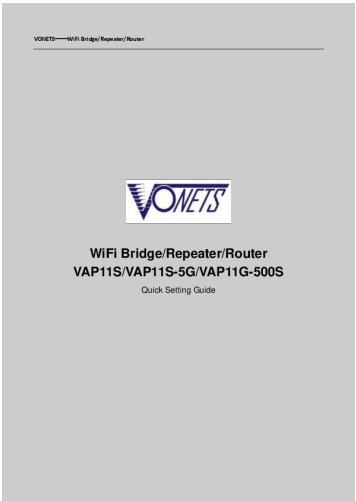

[VONETS WiFi Bridge/Repeater/Router VAP11S/VAP11S-5G/VAP11G-500S Quick Setting Guide]
Quick setting guide for VONETS VAP11S, VAP11S-5G, and VAP11G-500S WiFi Bridge, Repeater, and Router devices. Learn how to configure modes, network settings, and installation.
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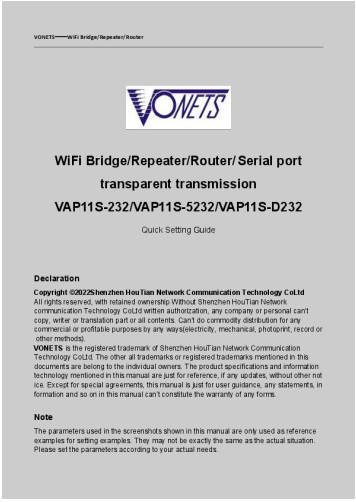
VONETS——WiFi Bridge/Repeater/Router

WiFi Bridge/Repeater/Router/ Serial port transparent transmission
VAP11S-232/VAP11S-5232/VAP11S-D232

Quick Setting Guide

Declaration

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Note

The parameters used in the screenshots shown in this manual are only used as reference examples for setting examples. They may not be exactly the same as the actual situation. Please set the parameters according to your actual needs.

[VONETS VAP11S Series WiFi Bridge/Repeater/Router & Serial Port Guide]

This Quick Setting Guide from VONETS details the VAP11S series WiFi Bridge, Repeater, and Router devices (models VAP11S-232, VAP11S-5232, VAP11S-D232). It covers setup, configuration for various modes including serial port transparent transmission, and troubleshooting, designed for enhanced network connectivity.
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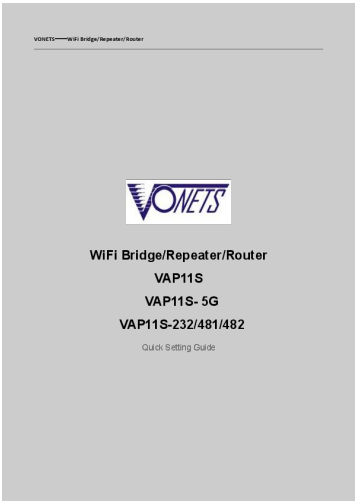
VONETS——WiFi Bridge/Repeater/Router

WiFi Bridge/Repeater/Router
VAP11S
VAP11S- 5G
VAP11S-232/481/482

Quick Setting Guide

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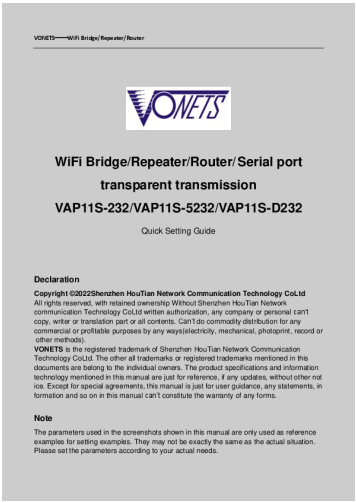
VONETS——WiFi Bridge/Repeater/Router

WiFi Bridge/Repeater/Router/ Serial port transparent transmission
VAP11S-232/VAP11S-5232/VAP11S-D232

Quick Setting Guide

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Administrator User Guide VONETS Industrial 2 4GHz WiFi Serial Port Server Bridge Ethernet Repeater Wireless Router Hotspot Signal Extender for Medical Device IP Camera PLC Telescope Network Devices VAP11S 232 Electronics B1qlqs8z rL m media amazon images I |||

VONETS----WiFi Bridge/Repeater/Router WiFi Bridge/Repeater/Router/ Serial port transparent transmission **VAP11S**-232/**VAP11S**-5232/**VAP11S**-D232 Quick Setting Guide Declaration Copyright 2022Shenzhen HouTian Network Communication Technology CoLtd All rights reserved, with retained ownership Without Shenzh...
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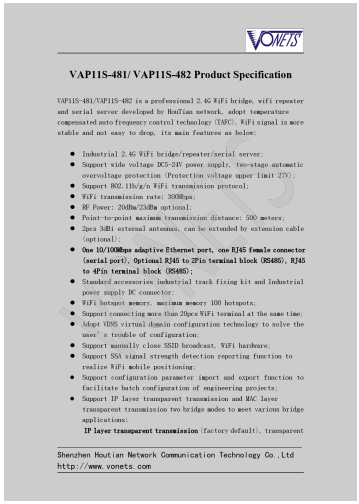

VONETS

VAP11S-481/ VAP11S-482 Product Specification

VAP11S-481/VAP11S-482 is a professional 2.4G WiFi bridge, wifi repeater and serial server developed by HouTian network, adopt temperature compensated auto frequency control technology (TAFC), WiFi signal is more stable and not easy to drop, its main features as below:

- Industrial 2.4G WiFi bridge/repeater/serial server;
- Support wide voltage DC5-24V power supply, two-stage automatic overvoltage protection (Protection voltage upper limit 27V);
- Support 802.11b/g/n WiFi transmission protocol;
- WiFi transmission rate: 300Mbps;
- RF Power: 20dBm/23dBm optional;
- Point-to-point maximum transmission distance: 500 meters;
- 2pcs 3dBi external antennas, can be extended by extension cable (optional);
- **One 10/100Mbps adaptive Ethernet port, one RJ45 female connector (serial port), Optional RJ45 to 2Pin terminal block (RS485), RJ45 to 4Pin terminal block (RS485);**
- Standard accessories industrial track fixing kit and Industrial power supply DC connector;
- WiFi hotspot memory, maximum memory 100 hotspots;
- Support connecting more than 20pcs WiFi terminal at the same time;
- Adopt VDNS virtual domain configuration technology to solve the user's trouble of configuration;
- Support manually close SSID broadcast, WiFi hardware;
- Support SSA signal strength detection reporting function to realize WiFi mobile positioning;
- Support configuration parameter import and export function to facilitate batch configuration of engineering projects;
- Support IP layer transparent transmission and MAC layer transparent transmission two bridge modes to meet various bridge applications;

IP layer transparent transmission (factory default), transparent

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VAP11S-481/ **VAP11S**-482 Product Specification **VAP11S**-481/**VAP11S**-482 is a professional 2.4G WiFi bridge, wifi repeater and serial server developed by HouTian network, adopt temperature compensated auto frequency control technology TAFC , WiFi signal is more stable and not easy to drop, its main featu...

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CERTIFICATE

Anbotek
Product Safety

CERTIFICATE
Of Conformity
Directive 2014/53/EU
On The Radio Equipment Directive

Certificate No.:	ATSZAWV1908122001
Certificate Holder:	Shenzhen HouTian Network Communication Technology Co., Ltd
Address:	Floor 3, Building B, No.28 Longfeng Road, Long Gang District, Shen zhen City, Guangdong Province, China
Manufacturer:	Shenzhen HouTian Network Communication Technology Co., Ltd.
Address:	Floor 3, Building B, No.28 Longfeng Road, Long Gang District, Shen zhen City, Guangdong Province, China
Product Name:	WiFi Bridge&Repeater&Router
Model No.:	VAP11S-5G, VAP11S
Trade Mark:	VONETS
Rating:	Input: DC5-24V ⎓ 2A

The radio equipment meets the following essential requirements		Complied
Article 3(1)(a) ● Safety	EN 60950-1: 2006+A11: 2009+A1: 2010+A12: 2011+ A2: 2013	Yes
Article 3(1)(a) ● Health	EN 62311:2008	Yes
Article 3(1)(b) ● EMC	ETSI EN 301 489-1 V2.1.1 (2017-02) EN 55032: 2015 EN 55035: 2017 ETSI EN 301 489-17 V3.1.1 (2017-02)	Yes
Article 3(2) ● Radio	ETSI EN 300 328 V2.2.2 (2019-07) ETSI EN 301 893 V2.1.1 (2017-05)	Yes

Note: The attached Annex forms part of this certificate which consists of 2 pages.

Certified by
Sally Zhang
Sally Zhang
Manager

Oct. 11, 2019
Date

CE

The CE Marking may only be used if all relevant and effective EU Directives are complied with

CE

Shenzhen Anbotek Compliance Laboratory Limited
1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Baoan District, Shenzhen, Guangdong, China.518102
Tel: (86)755-26066440 Fax: (86)755-26014772
Http://www.anbotek.com Email: service@anbotek.com

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Yuan Long Machinery Co Ltd E96096 Bread Maker Audix ShenZhen Frequency Range RF Output Power EIRP Modulation Max Antenna Gain Type of Product Specifications 2 4G Wifi 2412 2472MHz 2422~2462MHz 5 1G 5150 5250MHz VAP11S 5G CE RED Certificate vonets

CERTIFICATE Of Conformity Directive 2014/53/EU On The Radio Equipment Directive Certificate No.: A ... g Gang District, Shen zhen City, Guangdong Province, China WiFi Bridge Repeater Router Model No.: **VAP11S**-5G, **VAP11S** Trade Mark: VONETS Rating: Input: DC5-24V - 2A The radio equipment meets the ...

lang:en score:30 filesize: 578.2 K page_count: 2 document date: 2019-10-11

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VAP11S 2.0 Product Specification

VAP11S is a professional 2.4G WiFi bridge, wifi repeater and router carefully developed by HouTian network, adopt temperature compensated auto frequency control technology (TAFC), WiFi signal is more stable and not easy to drop, its main features as below:

- Industrial 2.4G WiFi bridge/repeater/router;
- Support wide voltage DC5-24V power supply, two-stage automatic overvoltage protection (Protection voltage upper limit 27V);
- Support 802.11b/g/n WiFi transmission protocol;
- WiFi transmission rate: 300Mbps;
- RF Power: 20dBm/23dBm optional;
- Point-to-point maximum transmission distance: 500 meters;
- 2pcs 3dBi external antennas, can be extended by extension cable (optional);
- **Two 10/100Mbps adaptive Ethernet ports, and provide option accessories for expanding Ethernet port (one expansion);**
- Standard accessories industrial track fixing kit and Industrial power supply DC connector;
- WiFi hotspot memory, maximum memory 100 hotspots;
- Support connecting more than 20pcs WiFi terminal at the same time;
- Adopt VDNS virtual domain configuration technology to solve the user's trouble of configuration;
- Support manually close SSID broadcast, WiFi hardware;
- Support SSA signal strength detection reporting function to realize WiFi mobile positioning;
- Support configuration parameter import and export function to facilitate batch configuration of engineering projects;
- Support IP layer transparent transmission and MAC layer transparent transmission two bridge modes to meet various bridge applications;

IP layer transparent transmission (factory default), transparent transmission of IP layer data, can meet most of the bridge applications;

MAC layer transparent transmission all data above the MAC layer (link layer) and the 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.

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Administrator VAP11S 2 0 Product Specification VAP11S——Product vonets

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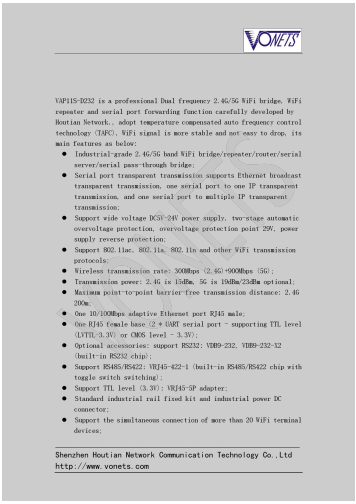
lang:en score:30 filesize: 560.51 K page_count: 6 document date: 2021-09-08

[pdf] User Manual

Administrator Veiligheidsinformatie VONETS VAP11S 232 Industrial High Power 2 4GHz WiFi Bridge Repeater Mini Router Ethernet to Adapter Hotspot Extender with RJ45 Ports Antennas USB DC Powered for DVR Monitor Amazon nl Electronics Photo 719jB2L4c4L ref dp product quick view m media amazon images I |||

Manufacturer: Shenzhen Houtian NetworkCommunication Technology Co ,Ltd Add: Floor 3,Building B, No.29, LongfengRoad, longgang District, Shenzhen City.Guangdong Province Email:support Vonets.com Brand: VONETS Model: **VAP11S**-232 Batch No: 202406 Country of Origin: China EC UK eVatmaster Consulting Gm...

lang:it score:29 filesize: 157.75 K page_count: 1 document date: 2024-08-29

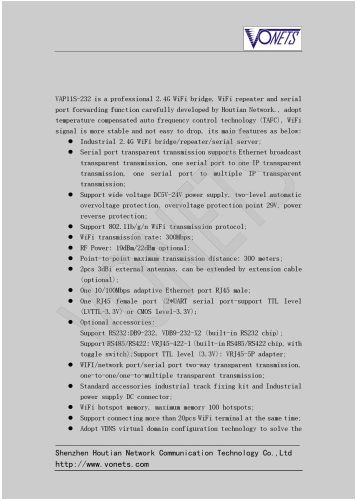


[pdf] Specifications

Administrator VAP11S D232 Product Specification vonets |||

VAP11S-D232 Product Specification **VAP11S**-D232 is a professional Dual frequency 2.4G/5G WiFi bridge, WiFi repeater and serial port forwarding function carefully developed by Houtian Network., adopt temperature compensated auto frequency control technology TAFC , WiFi signal is more stable and not ea...

lang:en score:28 filesize: 330.3 K page_count: 9 document date: 2023-04-04

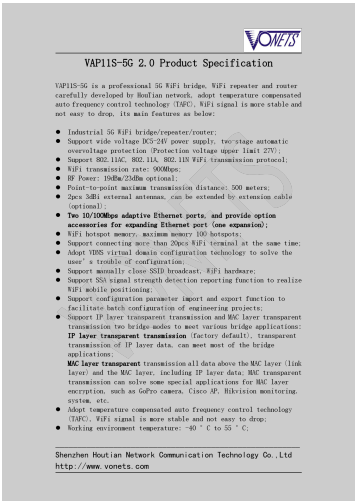


[pdf] Specifications Accessories

Administrator VAP11S 232 Product Specification vonets |||

VAP11S-232 Product Specification **VAP11S**-232 is a professional 2.4G WiFi bridge, WiFi repeater and serial port forwarding function carefully developed by Houtian Network., adopt temperature compensated auto frequency control technology TAFC , WiFi signal is more stable and not easy to drop, its main...

lang:en score:28 filesize: 593.84 K page_count: 8 document date: 2022-06-20


VAP11S-5G 2.0 Product Specification

VAP11S-5G is a professional 5G WiFi bridge, WiFi repeater and router carefully developed by HouTian network, adopt temperature compensated auto frequency control technology (TAFC), WiFi signal is more stable and not easy to drop, its main features as below:

- Industrial 5G WiFi bridge/repeater/router;
- Support wide voltage DC5-24V power supply, two-stage automatic overvoltage protection (Protection voltage upper limit 27V);
- Support 802.11AC, 802.11A, 802.11N WiFi transmission protocol;
- WiFi transmission rate: 900Mbps;
- RF Power: 19dBm/23dBm optional;
- Point-to-point maximum transmission distance: 500 meters;
- 2pcs 3dBi external antennas, can be extended by extension cable (optional);
- **Two 10/100Mbps adaptive Ethernet ports, and provide option accessories for expanding Ethernet port (one expansion);**
- WiFi hotspot memory, maximum memory 100 hotspots;
- Support connecting more than 20pcs WiFi terminal at the same time;
- Adopt VDNS virtual domain configuration technology to solve the user's trouble of configuration;
- Support manually close SSID broadcast, WiFi hardware;
- Support SSA signal strength detection reporting function to realize WiFi mobile positioning;
- Support configuration parameter import and export function to facilitate batch configuration of engineering projects;
- Support IP layer transparent transmission and MAC layer transparent transmission two bridge modes to meet various bridge applications:
  IP layer transparent transmission (factory default), transparent transmission of IP layer data, can meet most of the bridge applications;
  MAC layer transparent transmission all data above the MAC layer (link layer) and the 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.
- Adopt temperature compensated auto frequency control technology (TAFC), WiFi signal is more stable and not easy to drop;
- Working environment temperature: -40 ° C to 55 ° C;

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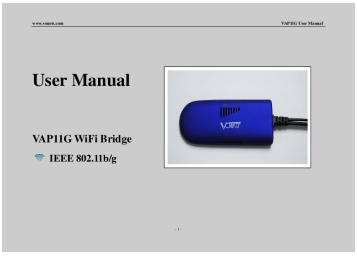
http://www.vonets.com

[pdf] Specifications Accessories

Administrator VAP11S 5G 2 0 Product Specification 5G——Product vonets

VAP11S-5G 2.0 Product Specification **VAP11S**-5G is a professional 5G WiFi bridge, WiFi repeater and router carefully developed by HouTian network, adopt temperature compensated auto frequency control technology TAFC , WiFi signal is more stable and not easy to drop, its main features as below: Indus...

lang:en score:27 filesize: 560.68 K page_count: 6 document date: 2021-09-08


User Manual

VAP11G WiFi Bridge

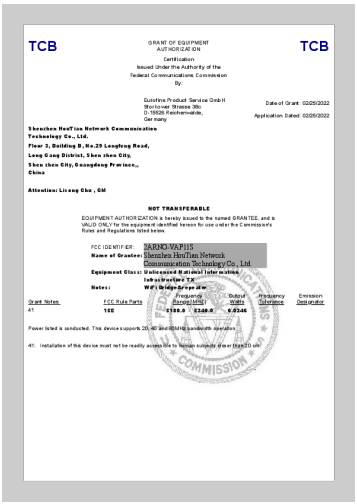
IEEE 802.11b/g

[pdf] User Manual Decleration of Conformity

Microsoft Word VAP11G WiFi Bridge User Manual doc Jason Wang vonets VAP11 r Как да свържа безжично 2 ТВ точки Страница Digital TV Forums БЪЛГАРСКИЯТ ФОРУМ ЗА ЦИФРОВА ТЕЛЕВИЗИЯ След много главоблъсканици аз ползвам това и искам те уверя че е дуракоустойчиво работи супер |||

www.vonets.com User Manual VAP11G WiFi Bridge IEEE 802.11b/g - 1 - VAP11G User Manual www.vonets.com 1. Introduction VAP11G User Manual Thanks for choosing Vonets VAP11G WiFi Bridge. With this portable device, VoIP Phone Adapters, IP Phones and other IT products with Ethernet RJ45 port can acce...

lang:en score:26 filesize: 451.23 K page_count: 13 document date: 2008-11-28


TCB

GRANT OF EQUIPMENT AUTHORIZATION

Certification

Issued Under the Authority of the Federal Communications Commission By:

Eurofins Product Service GmbH
Storkower Strasse 38c
D-15526 Reichenwalde,
Germany

Date of Grant: 02/25/2022
Application Dated: 02/25/2022

Shenzhen HouTian Network Communication Technology Co., Ltd.
Floor 3, Building B, No.29 Longkeng Road,
Long Gang District, Shen zhen City,
Shen zhen City, Guangdong Province,,
China

Attention: Liuxing Chu , GM

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER:	2ARNO-VAP11S
Name of Grantee:	Shenzhen HouTian Network Communication Technology Co., Ltd.
Equipment Class:	Unlicensed National Information Infrastructure TX
Notes:	WiFi Bridge/Repeater

Grant Notes	FCC Rule Parts	Frequency Range(MHz)	Output Watts	Frequency Tolerance	Emission Designator
41	15E	5180.0 - 5240.0	0.0246		

Power listed is conducted. This device supports 20, 40 and 80MHz bandwidth operations.

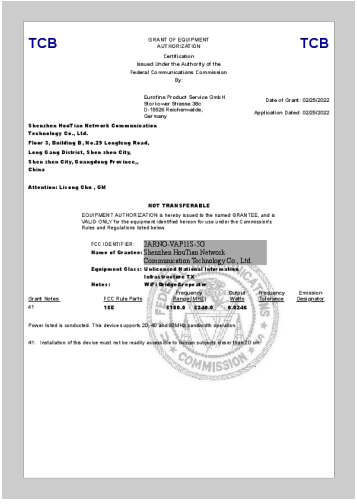
41: Installation of this device must not be readily accessible to human subjects closer than 20 cm

[pdf]

FCC OET TCB Form 731 Grant of Equipment Authorization 86159 VAP11S 2ARNO NII vonets |||

TCB GRANT OF EQUIPMENT AUTHORIZATION Certification Issued Under the Authority of the Federal Commun ... ed hereon for use under the Commission s Rules and Regulations listed below. FCC IDENTIFIER: 2ARNO-**VAP11S** Name of Grantee: Shenzhen HouTian Network Communication Technology Co., Ltd. Equipment Cla...

lang:en score:25 filesize: 352.29 K page_count: 1 document date: 2022-02-25


TCB

GRANT OF EQUIPMENT AUTHORIZATION

Certification

Issued Under the Authority of the Federal Communications Commission By:

Eurofins Product Service GmbH
Storkower Strasse 38c
D-15526 Reichenwalde,
Germany

Date of Grant: 02/25/2022
Application Dated: 02/25/2022

Shenzhen HouTian Network Communication Technology Co., Ltd.
Floor 3, Building B, No.29 Longkeng Road,
Long Gang District, Shen zhen City,
Shen zhen City, Guangdong Province,,
China

Attention: Liuxing Chu , GM

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER:	2ARNO-VAP11S-5G
Name of Grantee:	Shenzhen HouTian Network Communication Technology Co., Ltd.
Equipment Class:	Unlicensed National Information Infrastructure TX
Notes:	WiFi Bridge/Repeater

Grant Notes	FCC Rule Parts	Frequency Range(MHz)	Output Watts	Frequency Tolerance	Emission Designator
41	15E	5180.0 - 5240.0	0.0246		

Power listed is conducted. This device supports 20, 40 and 80MHz bandwidth operations.

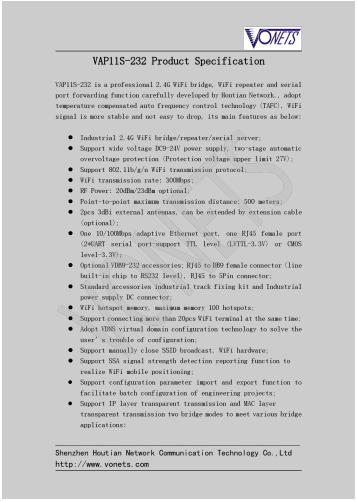
41: Installation of this device must not be readily accessible to human subjects closer than 20 cm

[pdf]

FCC OET TCB Form 731 Grant of Equipment Authorization Cathy VAP11S 5G 2ARNO NII vonets |||

TCB GRANT OF EQUIPMENT AUTHORIZATION Certification Issued Under the Authority of the Federal Commun ... ed hereon for use under the Commission s Rules and Regulations listed below. FCC IDENTIFIER: 2ARNO-**VAP11S**-5G Name of Grantee: Shenzhen HouTian Network Communication Technology Co., Ltd. Equipment ...

lang:en score:25 filesize: 353.28 K page_count: 1 document date: 2022-02-25



VAP11S-232 Product Specification

VAP11S-232 is a professional 2.4G WiFi bridge, WiFi repeater and serial port forwarding function carefully developed by Houtian Network., adopt temperature compensated auto frequency control technology (TAFC), WiFi signal is more stable and not easy to drop, its main features as below:

- Industrial 2.4G WiFi bridge/repeater/serial server;
- Support wide voltage DC9-24V power supply, two-stage automatic overvoltage protection (Protection voltage upper limit 27V);
- Support 802.11b/g/n WiFi transmission protocol;
- WiFi transmission rate: 300Mbps;
- RF Power: 20dBm/23dBm optional;
- Point-to-point maximum transmission distance: 500 meters;
- 2pcs 3dBi external antennas, can be extended by extension cable (optional);
- One 10/100Mbps adaptive Ethernet port, one RJ45 female port (2W6MT serial port support TTL level (LVTTL-3.3V) or CMOS level-3.3V);
- Optional VDB9-232 accessories: RJ45 to DB9 female connector (line built-in chip to RS232 level), RJ45 to 3Pin connector;
- Standard accessories industrial track fixing kit and Industrial power supply DC connector;
- WiFi hotspot memory, maximum memory 100 hotspots;
- Support connecting more than 20pcs WiFi terminal at the same time;
- Adopt VDNS virtual domain configuration technology to solve the user' s trouble of configuration;
- Support manually close SSID broadcast, WiFi hardware;
- Support SSA signal strength detection reporting function to realize WiFi mobile positioning;
- Support configuration parameter import and export function to facilitate batch configuration of engineering projects;
- Support IP layer transparent transmission and MAC layer transparent transmission two bridge modes to meet various bridge applications;

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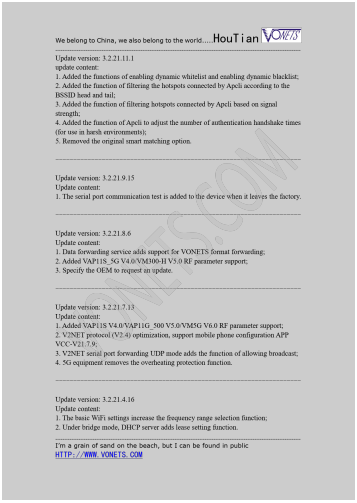
http://www.vonets.com

[pdf] Specifications Accessories

Administrator VAP11S 232 Product Specification Shenzhen Houtian Network Communication Technology Co Ltd vonets is a professional 2 4G WiFi bridge |||

VAP11S-232 Product Specification **VAP11S**-232 is a professional 2.4G WiFi bridge, WiFi repeater and serial port forwarding function carefully developed by Houtian Network., adopt temperature compensated auto frequency control technology TAFC , WiFi signal is more stable and not easy to drop, its main...

lang:en score:25 filesize: 600.47 K page_count: 7 document date: 2022-01-21



We belong to China, we also belong to the world....HouTian

Update version: 3.2.21.11.1
update content:
1. Added the functions of enabling dynamic whitelist and enabling dynamic blacklist;
2. Added the function of filtering the hotspots connected by Apcli according to the BSSID head and tail;
3. Added the function of filtering hotspots connected by Apcli based on signal strength;
4. Added the function of Apcli to adjust the number of authentication handshake times (for use in harsh environments);
5. Removed the original smart matching option.

Update version: 3.2.21.9.15
Update content:
1. The serial port communication test is added to the device when it leaves the factory.

Update version: 3.2.21.8.6
Update content:
1. Data forwarding service adds support for VONETS format forwarding;
2. Added VAP11S_5G V4.0/VM300-H V5.0 RF parameter support;
3. Specify the OEM to request an update.

Update version: 3.2.21.7.13
Update content:
1. Added VAP11S V4.0/VAP11G_500 V5.0/VM5G V6.0 RF parameter support;
2. V2NET protocol (V2.4) optimization, support mobile phone configuration APP VCC-V21.7.8;
3. V2NET serial port forwarding UDP mode adds the function of allowing broadcast;
4. 5G equipment removes the overheating protection function.

Update version: 3.2.21.4.16
Update content:
1. The basic WiFi settings increase the frequency range selection function;
2. Under bridge mode, DHCP server adds lease setting function.

I'm a grain of sand on the beach, but I can be found in public
HTTP://WWW.VONETS.COM

[pdf]

VONETS think HouTian Update version 3 2 21 11 1 update content Added the functions of enabling dynamic whitelist and blacklist url asp id 75 vonets |||

HouTian We belong to China, we also belong to the world..... ---------- ... .8.6 Update content: 1. Data forwarding service adds support for VONETS format forwarding; 2. Added **VAP11S**_5G V4.0/VM300-H V5.0 RF parameter support; 3. Specify the OEM to request an update. ---------...

lang:en score:23 filesize: 913.29 K page_count: 27 document date: 2021-11-03

VAP11S Product Specification

VAP11S is a professional 2.4G WiFi bridge, wifi repeater and router carefully developed by HouTian network, adopt temperature compensated auto frequency control technology (TAFC), WiFi signal is more stable and not easy to drop, its main features as below:

- Industrial 2.4G WiFi bridge/repeater/router;
- Support wide voltage DC5-24V power supply, two-stage automatic overvoltage protection (Protection voltage upper limit 29V);
- Support 802.11b/g/n WiFi transmission protocol;
- WiFi transmission rate: 300Mbps;
- RF Power:19dBm/23dBm optional;
- Point-to-point maximum transmission distance: 500 meters;
- 2pcs 3dBi external antennas, can be extended by extension cable (optional);
- **Two 10/100Mbps adaptive Ethernet ports, and provide option accessories for expanding Ethernet port (one expansion);**
- Standard accessories industrial track fixing kit and Industrial power supply DC connector;
- WiFi hotspot memory, maximum memory 100 hotspots;
- Support connecting more than 20pcs WiFi terminal at the same time;
- Adopt VDNS virtual domain configuration technology to solve the user' s trouble of configuration;
- Support manually close SSID broadcast, WiFi hardware;
- Support SSA signal strength detection reporting function to realize WiFi mobile positioning;
- Support configuration parameter import and export function to facilitate batch configuration of engineering projects;
- Support IP layer transparent transmission and MAC layer transparent transmission two bridge modes to meet various bridge applications;
  IP layer transparent transmission (factory default), transparent transmission of IP layer data, can meet most of the bridge applications;
  MAC layer transparent transmission all data above the MAC layer (link layer) and the 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.

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http://www.vonets.com

[pdf] Specifications Accessories

Administrator Specification Sheet Amazon VONETS Industrial 2 4GHz WiFi Bridge Ethernet Wireless Repeater Mini Router Hotspot Extender Signal Booster USB DC Powered RJ45 Ports for DVR IP Camera PLC PS3 Network Devices VAP11S Electronics 81KDL9y26FL m media amazon images I |||

VAP11S Product Specification **VAP11S** is a professional 2.4G WiFi bridge, wifi repeater and router carefully developed by HouTian network, adopt temperature compensated auto frequency control technology TAFC , WiFi signal is more stable and not easy to drop, its main features as below: Industrial 2....

lang:en score:21 filesize: 435.3 K page_count: 6 document date: 2023-05-25

CERTIFICATE

Anbotek
Product Safety

CERTIFICATE
Of Conformity
EC Council Directive 2011/65/EU and amendment Commission
Delegated Directive (EU) 2015/863 with effective from 22 July 2019
Restriction of the Use of Certain Hazardous Substances
in Electrical and Electronic Equipment

Registration No.: ATSZARR190809016

Report No.: SZARR190809016-01

Applicant : Shenzhen HouTian Network Communication Technology Co., Ltd.
Floor 3, Building B, No.29 Longfeng Road, Long Gang District, Shen
zhen City, Guangdong Province, China

Product : WiFi Bridge&Repeater&Router

Model No. : VAP11S-5G, VAP11S

Trade Mark : VONETS

Test method : IEC 62321-3-1:2013, IEC 62321-5:2013,
IEC 62321-4:2013+AMD:2017, IEC 62321-7-1:2015,
IEC 62321-7-2:2017, IEC 62321-6:2015,
IEC 62321-8:2017

This is to certify that, the certificate is based on Anbotek's test results and other related substance information provided by applicant. The selected material of the submitted sample fulfills the requirement of the Directive 2011/65/EU (RoHS) and amendment Commission Delegated Directive (EU) 2015/863 with effective from 22 July 2019.

Certified by

Oct. 10, 2019
Date

Shenzhen Anbotek Compliance Laboratory Limited
East of 4F., Building A, Hounai No.3 Industrial Zone, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)755-26066126
Fax: (86)755-26066021
Http://www.anbotek.com
Email:service@anbotek.com

[pdf]

VAP11S 5G ROHS Certificate vonets |||

...

lang:en score:18 filesize: 217.28 K page_count: 1 document date: 2019-10-10

CERTIFICATE

Anbotek
Product Safety

CERTIFICATE
Of Conformity
Directive 2014/53/EU
On The Radio Equipment Directive

Certificate No.: AT18220WC201195

Certificate Holder: Shenzhen HouTian Network Communication Technology Co., Ltd.

Address: Floor 3, Building B, No.29 Longfeng Road, Long Gang District, Shen zhen City, Guangdong Province, China

Manufacturer: Shenzhen HouTian Network Communication Technology Co., Ltd.

Address: Floor 3, Building B, No.29 Longfeng Road, Long Gang District, Shen zhen City, Guangdong Province, China

Product Name: WiFi Bridge Repeater Router

Model No.: VAP11S, VAP11S-5G, VAP11S-232, VAP11G-500S

Trade Mark: VONETS

Rating: Input: DC 5V-24V, 10W

The radio equipment meets the following essential requirements		Complied
Article 3(1)(a) ● Safety	EN 62368-1:2014+A11:2017	Yes
Article 3(1)(a) ● Health	EN IEC 62311: 2020	Yes
Article 3(1)(b) ● EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09) EN 55032: 2015+A1: 2020, EN 55035: 2017+A11: 2020	Yes
Article 3(2) ● Radio	ETSI EN 300 328 V2.2.2 (2019-07)	Yes

Note: The attached Annex forms part of this certificate which consists of 2 pages.

Certified by

Jun. 30, 2023
Date

Kingkong Jin

The CE Mark may legally be used if all relevant and effective EU Directives are complied with

Shenzhen Anbotek Compliance Laboratory Limited
1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Baoan District, Shenzhen, Guangdong, China.518126
Tel: (86)755-26066440
Fax: (86)755-26014772
http://www.anbotek.com
Email: service@anbotek.com

Page 1 of 2

[pdf]

C E R T I F A VONETSVAP11S VAP11S 5G 232 VAP11G 500S Trade Mark VONETS Rating ETSI EN 300 328 V2 2 2019 07 Yes Note The attached Annex forms part of 8a4d9f24742685d4bf5ce549d0a3433fvonets 20250214 8a4d9f24742685d4bf5ce549d0a3433f |||

...

lang:en score:11 filesize: 530.53 K page_count: 2 document date: 2023-06-30