



SMART **ONE**

QUICK START GUIDE

WAC52N | WAC52N+

WAC52G | WAC52G+



**READ CAREFULLY
BEFORE USING THE DEVICE**

Package Contents

1. Waver® SmartOne Router
2. Ethernet Cable Cat5e
3. AC-DC 24 Volt Power Adapter
4. Quick Start Guide

Requirements

- OS: Windows 10 or newer, Linux, Mac OS X or Android
- Web Browser: Chrome (Recommended), Mozilla Firefox or Apple Safari
- Broadband Internet Connection (via Ethernet)

**Thank you
for choosing our product!**

Your satisfaction is our top priority.

Propose a feature that will be useful to be added on Waver SmartOne in the upcoming software updates at features@wavertech.eu

- Read this manual thoroughly before using Waver SmartOne
- To ensure proper use of the device, make sure to read “Safety Information” page
- After reading, keep it in a readily accessible place for future reference

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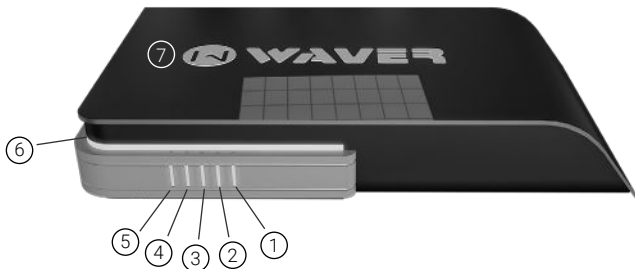
Safety Information

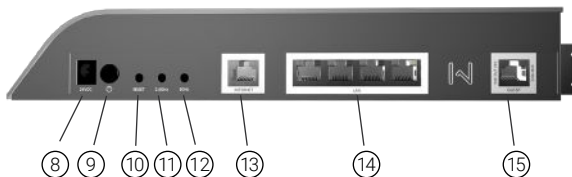
- Use only the supplied Power Adapter. Connection to a different power source may result in improper operation, damage or pose to fire hazard.
- Do not cover ventilation holes at the bottom. This product must be operated on a flat surface far from any heater or heating vent.
- Avoid direct irradiation of any strong light (such as sunlight)
- Keep at least 5 cm of clear space around the device
- Operating Temperature: - 20 - 60°C
- Operating Humidity: 10-90 % RH, Non-condensing
- Do not disassemble the product, or make repairs yourself. You run the risk of electric shock and voiding the warranty.
- Avoid water, moisture and wet locations.
- (N - Series Only) When using Power over Ethernet 24V Port to power another device, use properly wired CAT5e or upper category and make sure the equipment connected at this port does not exceed the 500mA rating of power consumption (!)



WARNING! Any users with implantable cardiac pace-makers should have this product apart the pacemaker by 30cm or longer. The pacemakers may be influenced by radio waves radiated from this product.

Hardware Overview



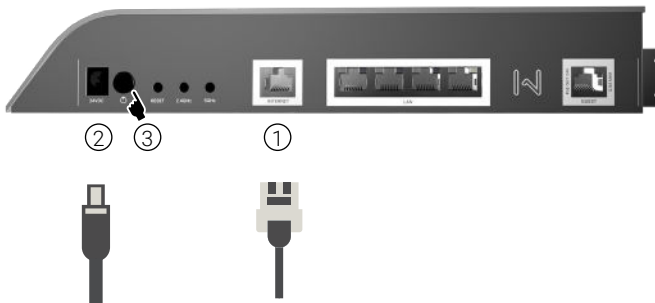


- | | |
|----------------------------------|-----------------------------|
| 1. Power Led | 10. Reset to Factory Button |
| 2. Internet Port Led | 11. 2.4GHz Interface Button |
| 3. 2.4GHz Wireless Interface Led | 12. 5GHz Interface Button |
| 4. 5GHz Wireless Interface Led | 13. Internet Ethernet Port |
| 5. Guest Ethernet Port Led | 14. LAN Ethernet Ports |
| 6. RGB Side Led | 15. Guest Ethernet Port |
| 7. Logo Led | PoE Out 24V - N-Series Only |
| 8. DC Power Jack | |
| 9. ON/OFF Switch | |

Hardware Installation

To install the Waver SmartOne router, perform the following steps:

1. Connect Ethernet cable from you DSL/Cable modem to the INTERNET Port of Waver SmartOne Router.
2. Connect the DC Power Adapter to the router and to a power outlet.
3. Turn on router by pressing the ON/OFF switch to ON position.



The boot process will start. After a while the power LED will light up.

IMPORTANT

NEVER DISCONNECT POWER OR TURN OFF THE DEVICE

- During the boot process (it takes about 1 minute and 30 seconds to boot up)
- During Reboot process
- During Factory Reset process
- During Firmware update process

- Turning off the device or disconnecting power source during the above processes, can corrupt flash image and can make the device unbootable!

- To turn off the device, make sure boot process has finished (Power, Logo and side RGB Leds are ON).
- Always push the ON/OFF switch to OFF position before unplugging the DC Adapter.

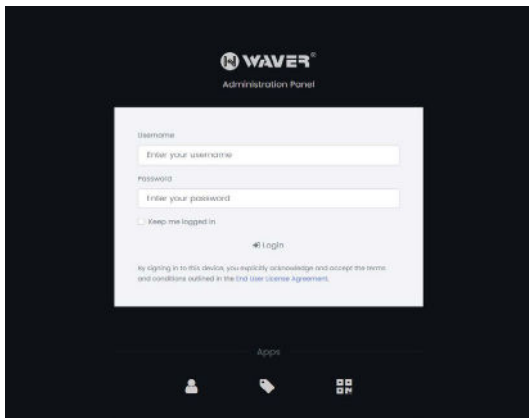
Device Management

Easily manage the device through any web browser with a user-friendly web interface accessible via LAN Ports, Local WiFi Interfaces (Local-2G and Local-5G), and the Internet Port.

The WiFi network keys for Local-2G and Local-5G are located on the underside of the device.

Web Management tools

1. Device Administration (Admin Panel)

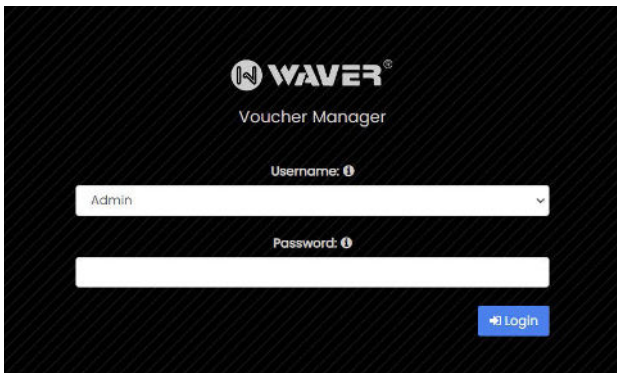


Admin Panel is a centralized control hub designed for managing and configuring various settings and features of the system. It provides an organized and user-friendly environment for administrators to access and control different aspects of the device. Get started with our product using the web-based administration panel, a technical powerhouse for deploying, configuring, and monitoring your Guest WiFi network. This interface seamlessly integrates network configuration, an advanced captive portal editor, automated marketing campaigns, and in-depth guest WiFi Analytics.

Default LAN access:
http://192.168.10.1

Default Username: admin
Default Password: waver

2. Voucher manager (App)



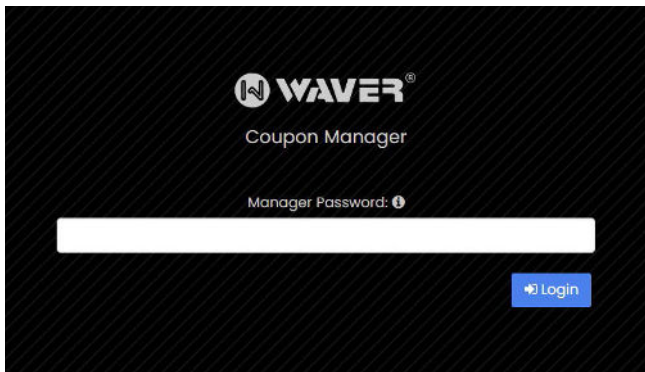
The Voucher Manager is a sophisticated tool designed for seamless management of voucher credentials within the Captive Portal access system. Tailored for voucher authentication and payment portal functionalities, this robust App offers a range of customizable features. From creating printable tickets to shaping the appearance of the Payment Portal, setting pricing, and defining limits for payment plans, the Voucher Manager provides advanced functionality for a streamlined and personalized management experience.

Default LAN access:
<http://192.168.10.1/vouchers/>

App Admin Password
Default Password: waver

App Manager Password
Default Password: password

3. Coupon Manager (App)

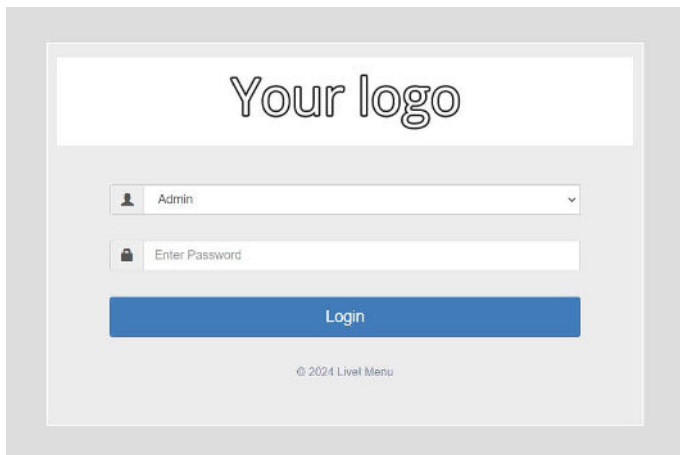


The Coupon Code Manager is an efficient and mobile-friendly tool designed for the seamless redemption of coupon codes. This versatile system empowers employees to effortlessly check the validity of coupon codes and redeem those that are currently active.

Default LAN access:
<http://192.168.10.1/coupons/>

App Manager Password
Default Password: password

4. Live! Menu (App)



The Live! Menu App provides a customized solution for restaurants, cafes, and various businesses looking to offer a digital alternative to traditional menus. This feature rich QR menu enhances the presentation of products or services, delivering a dynamic and user-friendly digital experience. Employing an intuitive web interface, businesses can effortlessly design and distribute fully branded digital menus over Guest WiFi. Additionally, the app facilitates real-time order reception, contributing to streamlined operations for enhanced efficiency.

Default LAN access:

<http://192.168.10.1/order/admin/>

App Admin Password

Default Password: waver

App Manager Password

Default Password: password

Firmware Update & Reset

AUTOMATIC UPDATE PROCEDURE:

- 1 - Login to the Administration Panel
- 2 - Navigate to the SYSTEM - Maintenance page and initiate the update process by clicking on the 'Update' button (if a new version is available).

MANUAL UPDATE PROCEDURE:

- 1 - Download device's firmware from our website
- 2 - Login to the Administration Panel
- 3 - Go to SYSTEM - Maintenance page
- 4 - Upload the downloaded .bin firmware file
- 5 - Press the reboot button and confirm when you will be prompted to reboot the device
- 6 - Wait a few minutes until the boot procedure finishes

FACTORY RESET:

WARNING! This will delete all stored user data and restore all settings to factory defaults.

Method 1. Using Software

Use the "Reset to factory" feature in Administration Panel - SYSTEM - Maintenance page

Method 2. Using hardware reset button

Using a tool, hold and press the reset button. After 2 seconds, the RGB side LED will start blinking in yellow. Continue pressing the button for 10 seconds. The side LED will continue to blink after release. The factory reset procedure will start in a while and the LED will start blinking in red color.

Multilingual Instructions

EN. Instruction manual:

Connect the power adapter to turn on the device. Open 192.168.10.1 in your web browser, to configure it. More information on <https://www.wavertech.eu/downloads>

BG. Инструкция:

Свържете адаптера на захранване, за да включите устройството. Отворете 192.168.10.1 в уеб браузър, за да настроите продукта. Повече информация в <https://www.wavertech.eu/downloads>

CZ. Navod k použití:

Připojte napajecí adapter k zapnutí přístroje. Otevřete 192.168.10.1 ve webovém prohlížeči pro konfiguraci produktu. Více informací najdete v <https://www.wavertech.eu/downloads>

DK. Instruktionsbog:

Tilslut stromadapteren for at tænde for enheden. Åbn 192.168.10.1 i en webbrowser til at konfigurere produktet. Mere information i <https://www.wavertech.eu/downloads>

FR. Mode d'emploi:

Connectez l'adaptateur d'alimentation pour allumer l'appareil. Ouvrez 192.168.10.1 dans un navigateur Web pour configurer le produit. Plus d'informations dans <https://www.wavertech.eu/downloads>

DE. Bedienungsanleitung:

Verbinden Sie das Netzteil, um das Gerät einzuschalten. Öffnen Sie 192.168.10.1 in einem Web-Browser, um das Produkt zu konfigurieren.

Weitere Informationen im <https://www.wavertech.eu/downloads>

EE. Kasutusjuhend:

Ühendage toiteadapter seadme sisselülitamiseks. Avatud 192.168.10.1 in veebilehitseja seadistada toodet. Rohkem teavet <https://www.wavertech.eu/downloads>

ES. Manual de instrucciones:

Conecte el adaptador de alimentación para encender la unidad. Abra 192.168.10.1 en un navegador web para configurar el producto. Mas informacion en <https://www.wavertech.eu/downloads>

IT. Manuale di istruzioni:

Collegare l'adattatore di alimentazione per accendere l'unità. Aprire 192.168.10.1 in un browser Web per configurare il prodotto. Maggiori informazioni in <https://www.wavertech.eu/downloads>

LV. Lietošanas instrukcija:

Pievienojiet Strāvas adapteri, lai ieslēgtu ierīci. Atvērt 192.168.10.1 ar interneta pārlūku, lai konfigurētu produktu. Plašāka informācija <https://www.wavertech.eu/downloads>

LT. Naudojimosi instrukcija:

Prijunkite maitinimo adapterį įjunkite įrenginį. Į interneto naršyklę 192.168.10.1 Atidarykite galite konfigūruoti gaminį. Daugiau informacijos rasite <https://www.wavertech.eu/downloads>

HU. Hasznalati utasitas:

Csatlakoztassa a halozati adaptert a keszulek bekapcsolasahoz. Megnyitasa 192.168.10.1 egy webbongeszoben beallitani a termeket. Tobb informacio <https://www.wavertech.eu/downloads>

NL. Handleiding:

Sluit voedingsadapter aan op het apparaat in te schakelen. Open 192.168.10.1 in een webbrower om het product te configureren. Meer informatie in <https://www.wavertech.eu/downloads>

PL. Instrukcja obsługi:

Podłącz adapter zasilania, aby włączyć urządzenie. Otworz 192.168.10.1 w przeglądarce internetowej, aby skonfigurować urządzenie. Więcej informacji w <https://www.wavertech.eu/downloads>

PT. Manual de instrucoes:

Conecte o adaptador de alimentacao para ligar o aparelho. Abra 192.168.10.1 em um navegador da web para configurar o produto. Mais informacoes em <https://www.wavertech.eu/downloads>

RO. Instrucțiuni de utilizare :

Conectați adaptorul de alimentare pentru a porni aparatul. Deschide 192.168.10.1 intr-un browser web pentru a configura produsul. Mai multe informații in <https://www.wavertech.eu/downloads>

SK. Navod na použitie:

Pripojte napajaci adapter k zapnutiu pristroja. Otvorte 192.168.10.1 vo webovom prehliadači pre konfiguráciu produktu. Viac informácií najdete v <https://www.wavertech.eu/downloads>

SI. Navodila:

Priključite napajalnik za vklop naprave. Odprite 192.168.10.1 v spletnem brskalniku nastaviti izdelek. Več informacij v <https://www.wavertech.eu/downloads>

FI. Käyttöohje:

Kytke virtalahde paalle laitteen. Avaa 192.168.10.1 in selaimen maarittaa tuotteen. Lisaa tietoa <https://www.wavertech.eu/downloads>

SE. Instruktionsmanual:

Anslut natadaptern för att slä pa enheten. Öppna 192.168.10.1 i en webblasare för att konfigurera produkten. Mer information pa <https://www.wavertech.eu/downloads>

NO. Bruksanvisningen:

Koble strømadapteren for a slä pa enheten. Åpne 192.168.10.1 i en nettleser for a konfigurere produktet. Mer informasjon pa <https://www.wavertech.eu/downloads>

GR. Εγχειρίδιο οδηγιών:

Συνδέστε τον προσαρμογέα τροφοδοσίας για να ενεργοποιήσετε την συσκευή. Ανοίξτε 192.168.10.1 σε ένα πρόγραμμα περιήγησης στο Web για να διαμορφώσετε το προϊόν. Περισσότερες πληροφορίες στο <https://www.wavertech.eu/downloads>

Limited Warranty & Returns

WAVERTECH LTD. ("WAVERTECH") warrants that the product(s) provided hereunder (the "Product(s)") will be free from defects in material and workmanship for a period of twenty four (24) months. The warranty duration begins from the date of purchase by the customer from WAVERTECH or its authorized representatives. The warranty applies only under normal use and operation of the product.

WAVERTECH solely reserves the right to repair or replace the defective product. The removal and installation cost is not covered by this warranty. Any repair or replacement does not extend the duration of the warranty period.

The above limited warranty does not cover any cases of/ or defects that arise due to:

- Not original products, which are not given a WAVERTECH Serial Number, or original signs, trademarks etc.
- Alterations, modifications or additions to the product unless those made by WAVERTECH, or WAVERTECH's authorized representatives, or as authorized by WAVERTECH in writing.
- Any kind of physical modifications of the product, including painting or rebranding.
- Damages due to wrong or defective cabling.
- Misuse, abuse, negligence, irregularly physical, electromagnetic or electrical stress, including lightning strikes, or accident.
- Malfunction or damage due to use of firmware not supplied/provided/ supported by WAVERTECH.
- Products not being received by WAVERTECH within 30 days of issuance of the RMA.

The above limited warranty covers cases that:

- The product has been installed and used according to the written instructions.
- The Ethernet is connected with cable of CAT5 (or above), outdoor installations are connected with shielded - grounded Ethernet and indoor installations follow the required indoor cabling instructions.

Returns of defective products

During the warranty period defective products are accepted for repair or replacement only if they are accompanied by a Return Materials Authorization (RMA) number from WAVESTECH, details on the RMA process are available at: <https://www.wavertech.eu/support> under the Returns Policy section. Products shipped to WAVESTECH without a RMA number will not be processed and will be returned or subject to disposal.

Disclaimer of Warranty

EXCEPT FOR THE WARRANTIES EXPRESSLY PROVIDED ABOVE AND TO THE EXTENT LAWFULLY PERMITTED, WAVESTECH DOES NOT WARRANT FOR ANY INCIDENTAL, CONSEQUENTIAL, DIRECT OR INDIRECT DAMAGES, INCLUDING WITHOUT RESTRICTION DAMAGES OR LOSSES RESULTING FROM USE OR MALFUNCTION OF WAVESTECH PRODUCTS, COMPROMISE OR CORRUPTION OF DATA, LOSS OF BUSINESS OR PROFITS, REPARATION COSTS. THE ABOVE LIMITATION CLAUSE MAY NOT APPLY ONLY IN LEGAL ORDERS, WHERE IT IS PROHIBITED BY THE LAW.

Any and all other warranties are explicitly excluded.

This warranty is governed and interpreted according to the legal order of the country of purchase of the WAVESTECH product.

Declaration of Conformity (CE)

[EN] English

Hereby, WAVESTECH declares that the product WAVE SMART ONE is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

[BG] Bulgarian

С настоящето, WAVESTECH декларира, че WAVE SMART ONE е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 2014/53/EU.

[CZ] Czech

WAVESTECH tímto prohlašuje, že WAVE SMART ONE splňuje základní požadavky a všechna příslušná ustanovení Směrnice 2014/53/EU.

[DK] Danish

Undertegnede WAVESTECH erklærer herved, at følgende udstyr WAVE SMART ONE overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU.

[DE] German

Hiermit erkläre WAVESTECH dass sich das Gerät WAVE SMART ONE in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU befindet.

[EE] Estonian

Kaesolevaga kinnitab WAVESTECH seadme WAVE SMART ONE vastavust direktiivi 2014/53/EU pohinouetele ja nimetatud direktiivist tulenevatele teistele asjakohastele satetele.

[GR] Greek

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Ο ΚΑΤΑΣΚΕΥΑΣΤΗΣ WAVESTECH ΔΗΛΩΝΕΙ ΟΤΙ ΤΟ ΠΡΟΙΟΝ WAVE SMART ONE ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU.

[ES] Spanish

Por la presente, WEVERTECH declara que este WEVER SMART ONE cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva 2014/53/EU.

[IT] Italian

Con la presente WEVERTECH dichiara che questo WEVER SMART ONE è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/EU.

[LV] Latvian

Ar šo WEVERTECH deklarē, ka WEVER SMART ONE atbilst Direktīvas 2014/53/EU būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

[LT] Lithuanian

Šiuo WEVERTECH deklaruoją, kad šis WEVER SMART ONE atitinka esminius reikalavimus ir kitas 2014/53/EU Direktyvos nuostatas.

[HU] Hungarian

A WEVERTECH ezzennel kijelenti, hogy a WEVER SMART ONE típusu berendezés teljesíti az alábbi követelményeket és más 2014/53/EU irányelvben meghatározott vonatkozó rendelkezéseket.

[NL] Dutch

Hierbij verklaart WEVERTECH dat het toestel I WEVER SMART ONE in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU.

[PL] Polish

Niniejszym WEVERTECH deklaruje że WEVER SMART ONE jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy 2014/53/EU.

[PT] Portuguese

Eu, WEVERTECH declaro que o WEVER SMART ONE cumpre os requisitos essenciais e outras provisões relevantes da Directiva 2014/53/EU.

[RO] Romanian

Prin prezenta, WEVERTECH declară că aparatul WEVER SMART ONE este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei 2014/53/EU.

[SK] Slovak

WAVERTECH týmto vyhlasuje, že Waver Smart One spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/53/EU.

[SI] Slovenian

WAVERTECH izjavlja, da je ta Waver Smart One v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 2014/53/EU.

[FI] Finish

WAVERTECH vakuuttaa taten että Waver Smart One tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

[SE] Swedish

Harmed intygar WAVERTECH att denna Waver Smart One är i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/EU.

[NO] Norwegian

WAVERTECH Erklærer herved at Waver Smart One er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/EU.

CE Marking

CE Marking on this product represents that this product is in compliance with all directives that are applicable to it.

Product can be used in the following EU Countries:

AT	BE	BG	CY	CZ	DE	DK	EE	EL
ES	FI	FR	HR	HU	IE	IT	LV	LT
LU	MT	NL	PL	PT	RO	SE	SI	SK

Technical Specifications

Model WAC52N/WAC52N+

Fast Ethernet Interfaces	1x WAN/Internet, 4x LAN, 1x Guest Port With Passive PoE out
Wireless Interfaces	Dual Chain 2.4GHz 802.11b/g/n Single Chain 5GHz 802.11a/n/ac
Concurrent Active Guests	200 - WAC52N Model 500 - WAC52N+ Model
Buttons	Power On/Off, Factory Reset 2.4GHz Radio, 5GHz Radio
Maximum supported WAN Throughput	100 Mbps
LEDs	Logo, Corner RGB-Multicolor, Power, WAN/Internet port, 2.4GHz Radio, 5GHz Radio, Guest Port, LAN Ports x4
Antennas Type/Beam width	Integrated 360° 1.5dBi for 2.4GHz Radio Integrated 360° 2dBi for 5GHz Radio
Maximum Radio Tx Power	19 dBm @ 2.4 GHz 22 dBm @ 5 GHz
Wireless Chips	QCA9531 (2.4GHz 802.11b/g/n) QCA9887 (5GHz 802.11a/n/ac)
Operating Temperature (°C)	-20 to +60
Input Voltage	24V 1.2A
PoE Output Voltage	24V 0.5A via Guest Port
Dimensions (mm)	286x165x46
Certifications	CE/RED, FCC, ROHS

Model WAC52G/WAC52G+

Ethernet Interfaces	1x GbE WAN/Internet, 4x GbE LAN Ports, 1x GbE Guest Port
Wireless Interfaces	Dual Chain 2.4GHz 802.11b/g/n Dual Chain 5GHz 802.11a/n/ac Wave-2
Concurrent Active Guests	200 - WAC52G Model 500 - WAC52G+ Model
Buttons	Power On/Off, Factory Reset 2.4GHz Radio, 5GHz Radio
Maximum supported WAN Throughput	1 Gbps
LEDs	Logo, Corner RGB-Multicolor, Power, WAN/Internet port, 2.4GHz Radio, 5GHz Radio, Guest Port, LAN Ports x4
Antennas Type/Beam width	Integrated 360° 2.5dBi for 2.4GHz Radio Integrated 360° 2.5dBi for 5GHz Radio
Maximum Radio Tx Power	19 dBm @ 2.4 GHz 22 dBm @ 5 GHz
Wireless Chips	IPQ-4018 Wave-2 5GHz 802.11ac & 2.4GHz 802.11b/g/n
Operating Temperature (°C)	-20 to +60
Input Voltage	24V 0.8A
Dimensions (mm)	286x165x46
Certifications	CE/RED, FCC, ROHS

Industry Canada

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Interference Statement Federal Communications Commission

This equipment has been assembled by tested components which found to comply with the limits for a Class B digital device, pursuant to 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.

Separate collection

This product is designed for separate collection at an appropriate collection point. Do not dispose of as household waste.

For indoor use only

This product is designed for indoor usage only. Outdoor usage is not recommended.



SCAN QR FOR MANUAL

Support

www.wavertech.eu/support

Document date 31/01/2024



Quick Start Guide
WAVER SMARTONE

WAC52N/WAC52N+
WAC52G/WAC52G+

www.wavertech.eu