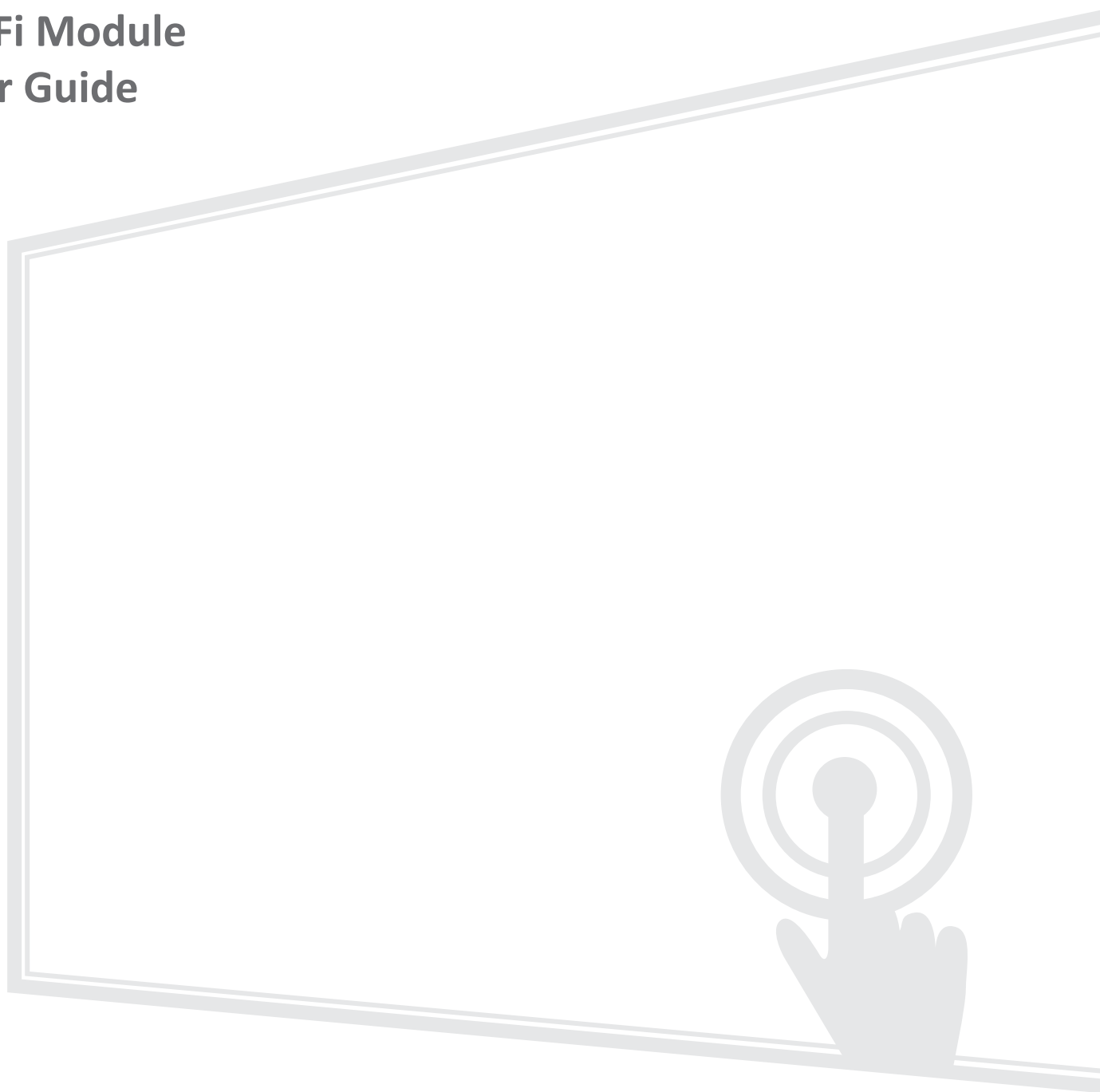


VB-WIFI-006

Wi-Fi Module User Guide



IMPORTANT: Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic® Corporation, which is also found on our web site at <http://www.viewsonic.com> in English, or in specific languages using the Regional selection box of our website.

Model No. VS20299
P/N: VB-WIFI-006

Thank you for choosing ViewSonic®

As a world-leading provider of visual solutions, ViewSonic® is dedicated to exceeding the world's expectations for technological evolution, innovation, and simplicity. At ViewSonic®, we believe that our products have the potential to make a positive impact in the world, and we are confident that the ViewSonic® product you have chosen will serve you well.

Once again, thank you for choosing ViewSonic®!

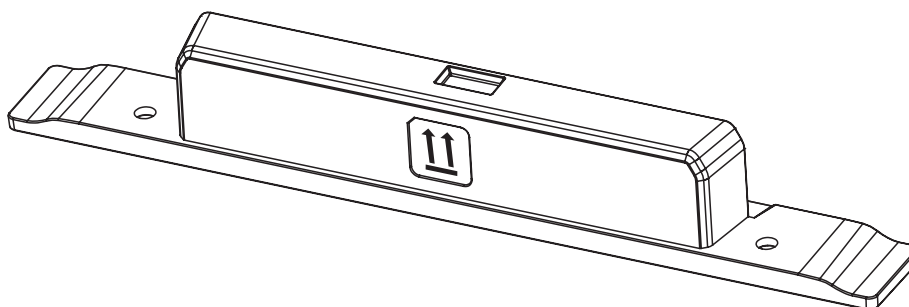
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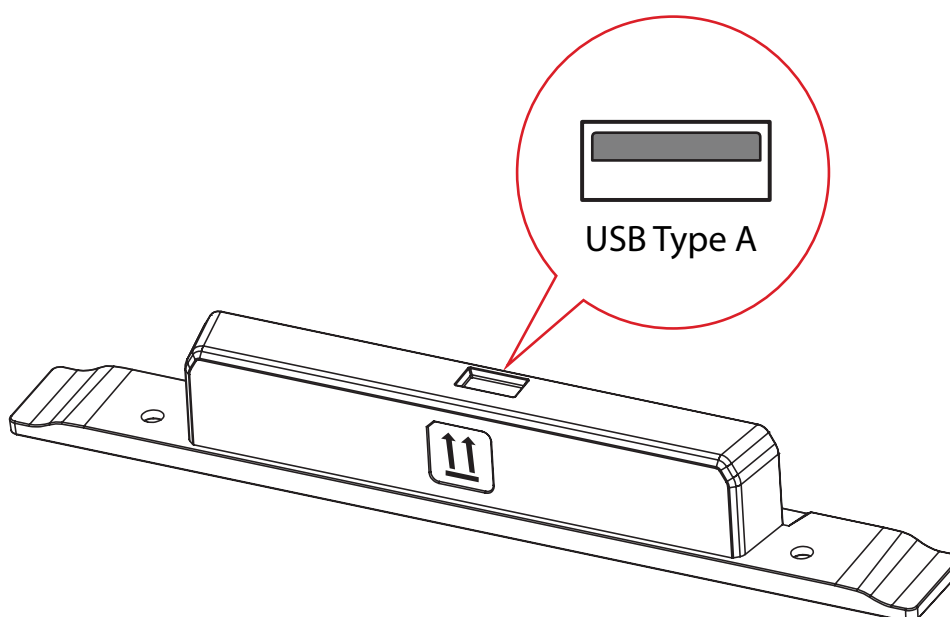
Introduction

Product Overview

Front View



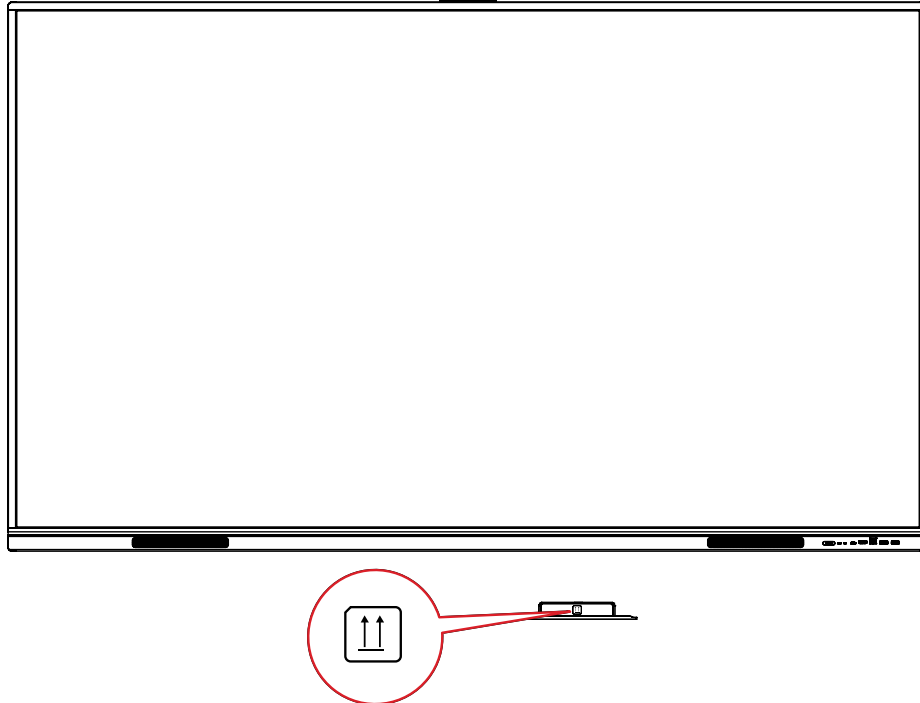
I/O Port



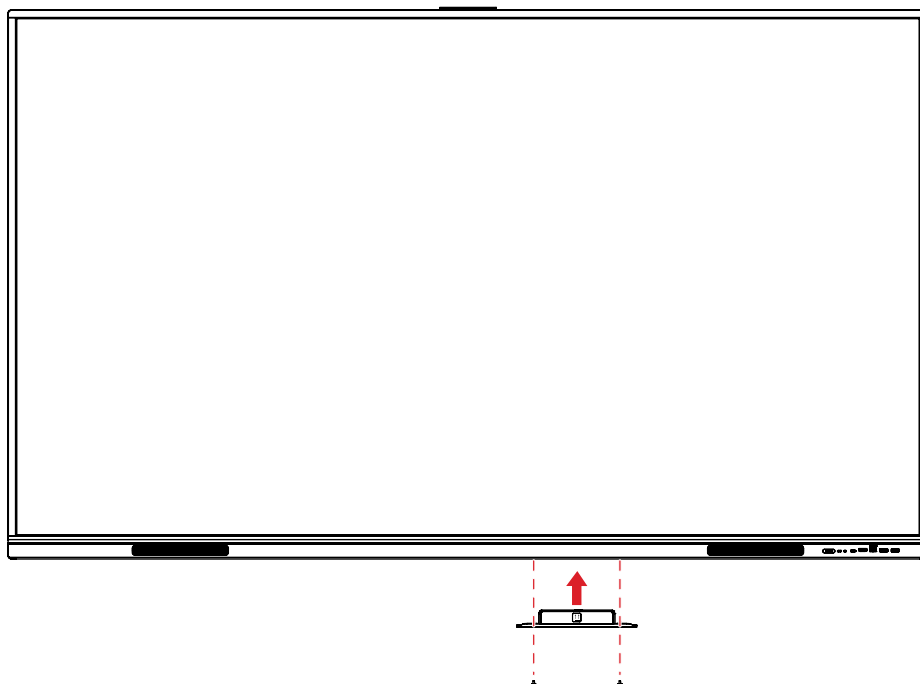
Initial Setup

Installing the VB-WIFI-006 Module

1. Unscrew the two screws located on the bottom of the display.
2. Make sure the arrows on the module are facing outwards.



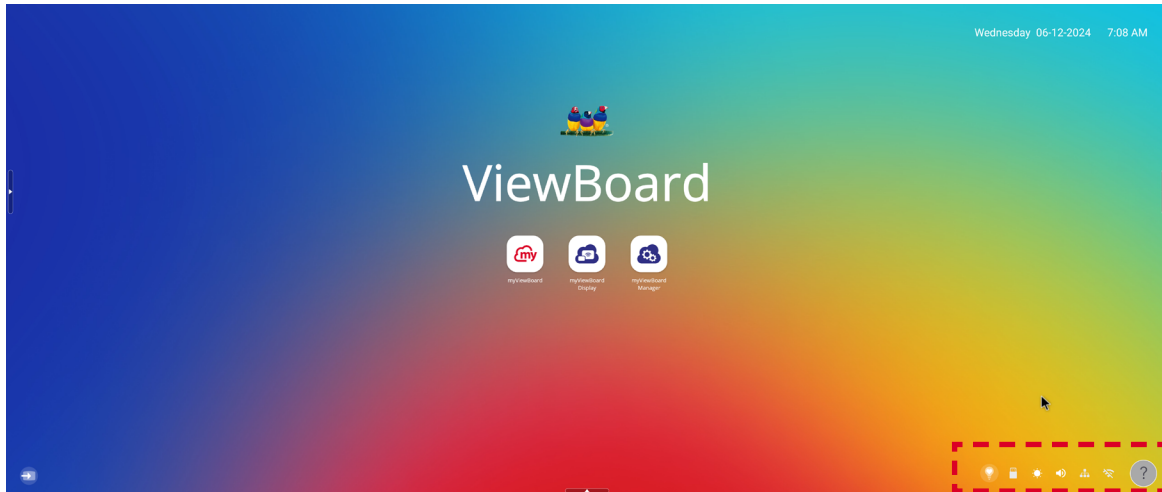
3. Insert the module into the display.
4. Further secure the module with the screws that were removed in **Step 1**.



Using the Device

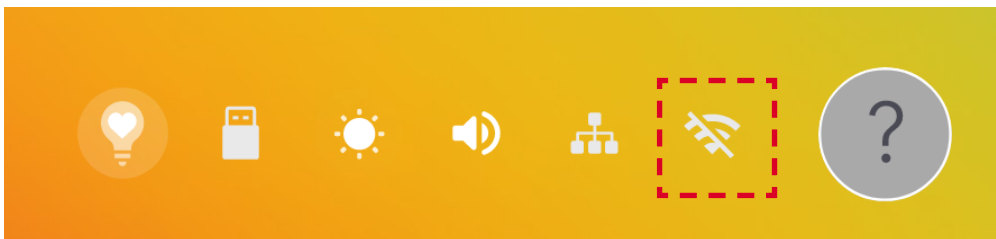
Selecting an Input Source

The Wi-Fi settings can be accessed quickly through the Control Bar at the bottom right corner.

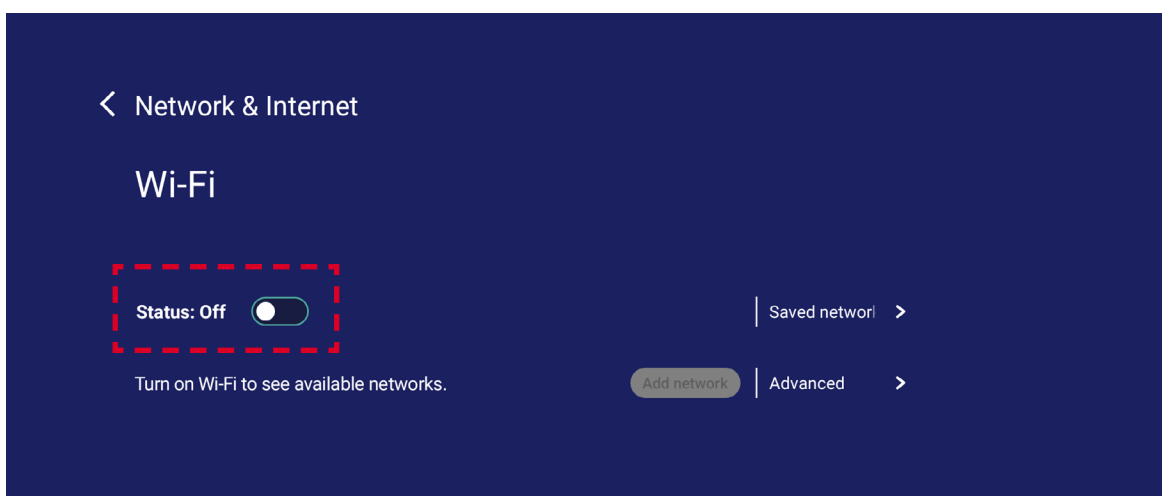


1. Select **Wi-Fi** icon.

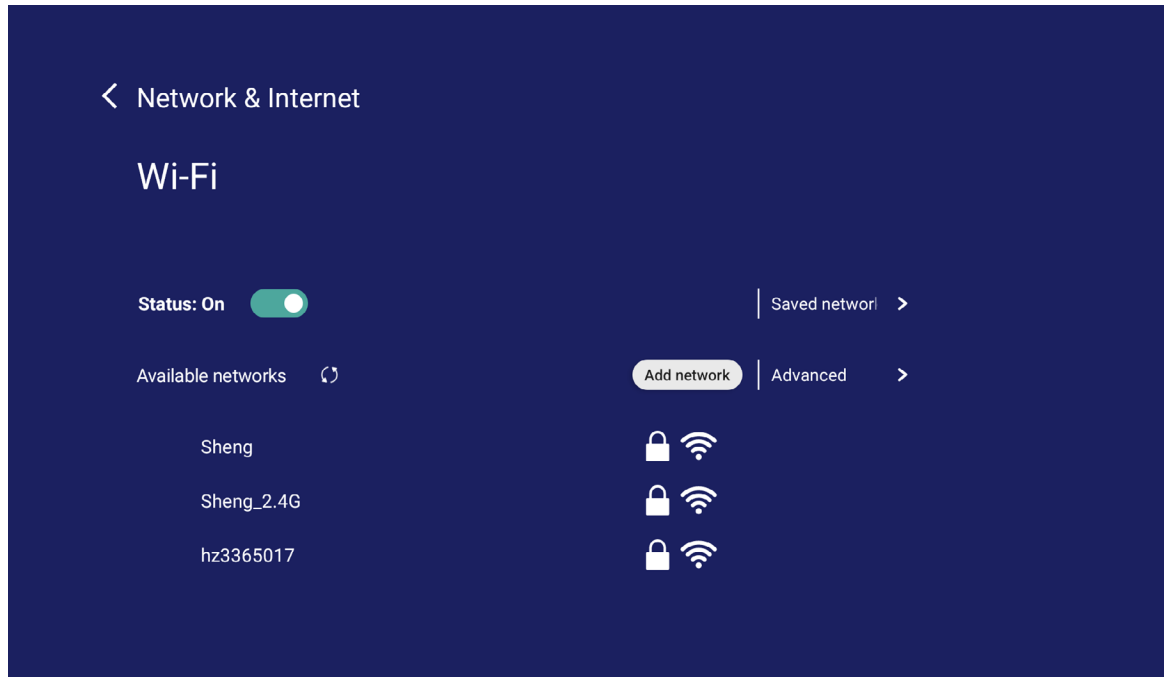
NOTE: You can also go to: **Settings > Wireless & Network** to open the Wi-Fi settings.



2. Slide **Status** to On.



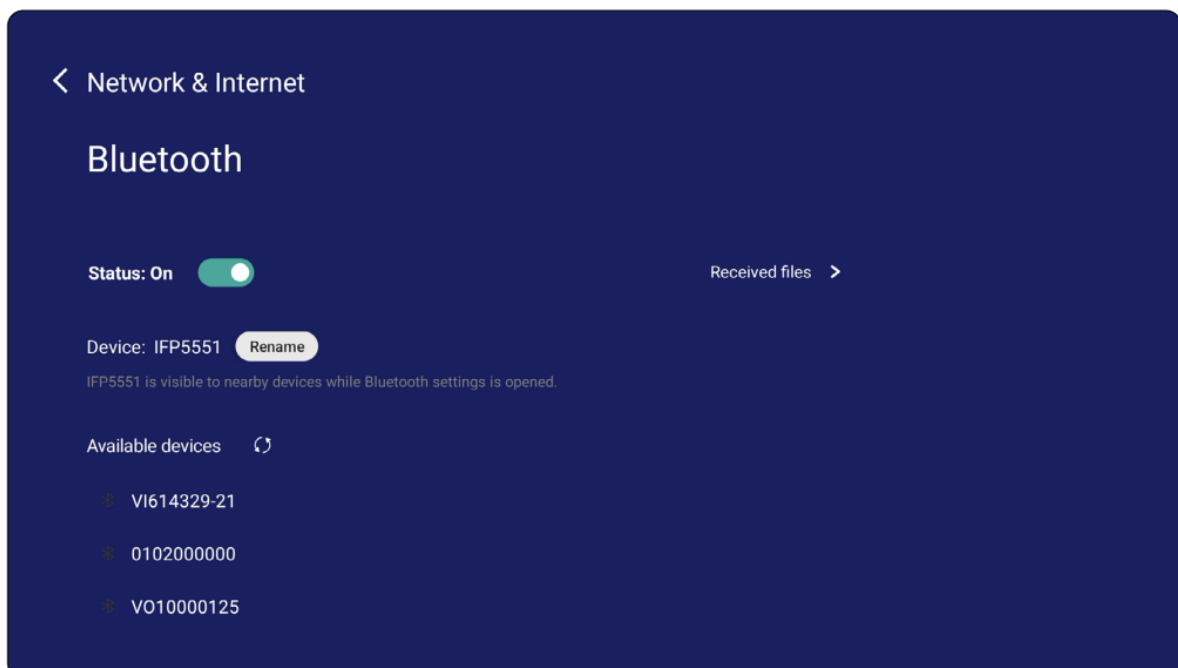
3. Once **On**, you can: **Add a Network**, view **Saved Networks**, **Refresh** the network list, or view **Advanced** settings.



Bluetooth

Manage connections, set the device name and discoverability.

Tap the toggle button to turn Bluetooth On or Off. Once On, users can select a listed device to pair and connect to, rename their device, remove a device.



Appendix

Specifications

General

Item		Specifications
Wi-Fi Standard		802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, and 802.11ax
Frenquency		2.4G, 5G, 6G Hz
Modulation		11b : DBPSK, DQPSK and CCK, and DSSS
		11a/g : BPSK, QPSK, 16QAM, 64QAM, and OFDM
		11n : BPSK, QPSK, 16QAM, 64QAM, and OFDM
		11ac : BPSK, QPSK, 16QAM, 64QAM,256QAM, and OFDM
		11ax : BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, OFDM, and OFDMA
		BT : FHSS,GFSK,DPSK, and DQPSK
Operating Conditions	Relative Humidity	10% to 90% (non-condensing)
	Temperature	0° C to 40° C
		32° F to 104° F
Storage Conditions	Relative Humidity	10% to 90% (non-condensing)
	Temperature	-20° C to 60° C
		-4° F to 140° F
Dimensions (W x H x D)		224 x 32 x 25 mm
		8.82" x 1.26" x 0.98"
Weight		93 g
		0.21 lb
Power Consumption		5V DC, 1A

Antenna

Item	Specifications
Type	PCB
Model Name	Coaxial line antenna, 2.4~2.5GHz and 5.1~6.43 GHz
Antenna Gain	4.68 dBi
Connector Type	I-PEX

Regulatory and Service Information

Compliance Information

This section addresses all connected requirements and statements regarding regulations. Confirmed corresponding applications shall refer to nameplate labels and relevant markings on the unit.

CE Conformity for European Countries

The device complies with the EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and Radio Equipment Directive 2014/53/EU and RoHS2 Directive 2011/65/EU & Annex II EU/2015/863.

https://www.viewsonicglobal.com/public/products_download/safety_compliance/acc/VS20299_CE_DoC.pdf



The mark shown to the right is compliance with the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE). The mark indicates the requirement NOT to dispose of the equipment as unsorted municipal waste, should be returned and collected according to local law.

Frequency Bands and Maximum Radio-Frequency Power

The radio equipment operates with the following frequency bands and maximum radio-frequency power:

Radio Technology	Frequency Band (MHz)	Max. Transmit Power (EIRP)
Bluetooth / BLE	2402 – 2480 MHz	10 dBm
Wi-Fi 2.4GHz	2412 – 2472 MHz	20 dBm
Wi-Fi 5GHz	5150 – 5725 MHz	23 dBm
Wi-Fi 5.8GHz (SRD)	5725 – 5875 MHz	14 dBm
Wi-Fi 6E (LPI)	5945 – 6425 MHz	23 dBm

RF Exposure Information (MPE)

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Restrictions of Use

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz and 5945 to 6425 MHz frequency ranges in the following countries:

AT, BE, BG, HR, CY, CZ, DK, EE, FI, FR, DE, EL, HU, IE, IT, LV, LT, LU, MT, NL, PL, PT, RO, SK, SI, ES, SE, UK(NI), IS, LI, NO, CH.

Declaration of RoHS2 Compliance

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr6 ⁺)	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%
Bis (2-ethylhexyl) phthalate (DEHP)	0.1%	< 0.1%
Butyl benzyl phthalate (BBP)	0.1%	< 0.1%
Dibutyl phthalate (DBP)	0.1%	< 0.1%
Diisobutyl phthalate (DIBP)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below. Examples of exempted components are:

- Copper alloy containing up to 4% lead by weight.
- Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
- Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.
- Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher.

Indian Restriction of Hazardous Substances

Restriction on Hazardous Substances statement (India). This product complies with the “India E-waste Rule 2011” and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Product Disposal at End of Product Life

ViewSonic® respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing. Please visit the ViewSonic® website to learn more.

USA & Canada:

<https://www.viewsonic.com/us/go-green-with-viewsonic>

Europe:

<https://www.viewsonic.com/eu/environmental-social-governance/recycle>

Taiwan:

<https://recycle.moenv.gov.tw/>

For EU users, please contact us for any safety/accident issue experienced with this product:

ViewSonic Europe Limited



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1382JZ Weesp

the Netherlands



+31 08000232999



EPREL@viewsoniceurope.com



<https://www.viewsonic.com/eu/>

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Customer Service

For technical support or product service, see the table below or contact your reseller.

NOTE: You will need the product's serial number.

Country/ Region	Website	Country/ Region	Website
Asia Pacific & Africa			
Australia	www.viewsonic.com/au/	Bangladesh	www.viewsonic.com/bd/
中国 (China)	www.viewsonic.com.cn	香港 (繁體中文)	www.viewsonic.com/hk/
Hong Kong (English)	www.viewsonic.com/hk-en/	India	www.viewsonic.com/in/
Indonesia	www.viewsonic.com/id/	Israel	www.viewsonic.com/il/
日本 (Japan)	www.viewsonic.com/jp/	Korea	www.viewsonic.com/kr/
Malaysia	www.viewsonic.com/my/	Middle East	www.viewsonic.com/me/
Myanmar	www.viewsonic.com/mm/	Nepal	www.viewsonic.com/np/
New Zealand	www.viewsonic.com/nz/	Pakistan	www.viewsonic.com/pk/
Philippines	www.viewsonic.com/ph/	Singapore	www.viewsonic.com/sg/
臺灣 (Taiwan)	www.viewsonic.com/tw/	ประเทศไทย	www.viewsonic.com/th/
Việt Nam	www.viewsonic.com/vn/	South Africa & Mauritius	www.viewsonic.com/za/
Americas			
United States	www.viewsonic.com/us	Canada	www.viewsonic.com/us
Latin America	www.viewsonic.com/la		
Europe			
Europe	www.viewsonic.com/eu/	France	www.viewsonic.com/fr/
Deutschland	www.viewsonic.com/de/	Қазақстан	www.viewsonic.com/kz/
Россия	www.viewsonic.com/ru/	España	www.viewsonic.com/es/
Türkiye	www.viewsonic.com/tr/	Україна	www.viewsonic.com/ua/
United Kingdom	www.viewsonic.com/uk/		



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