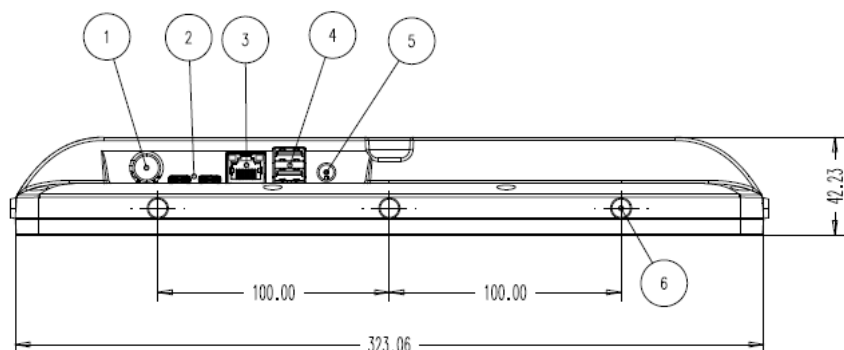


oona 22 Quick Start Guide

SA22WINAA1A1XX

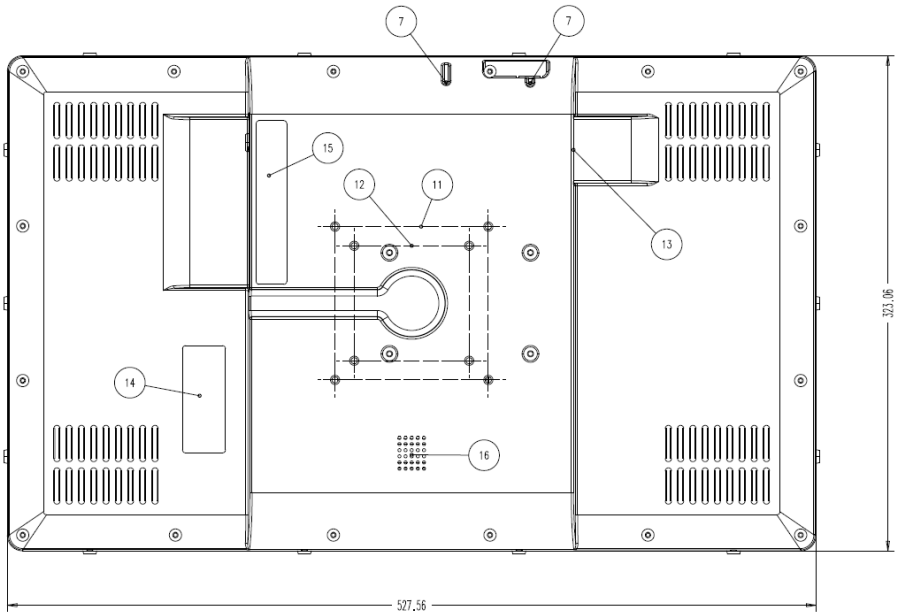
Features, buttons & interfaces

Side View



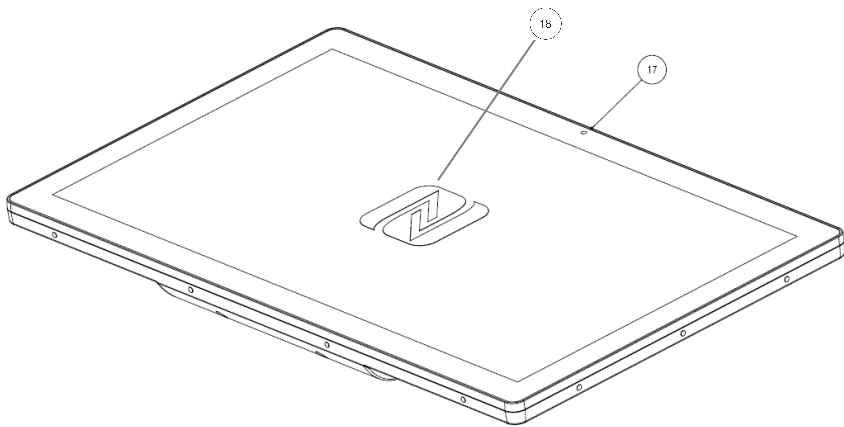
- | | |
|---|---------------------|
| 1 | Power Button |
| 2 | 2 x USB-C interface |
| 3 | 1 x LAN interface |
| 4 | 2 x USB-A interface |
| 5 | Power in connector |
| 6 | Cover plugs |

Rear view



7	Microphone
11	VESA mounting 100x100
12	VESA mounting 75x75
13	Service USB port
14	Label
15	Label
16	Speaker

Front view



- | | |
|----|-------------|
| 17 | Camera |
| 18 | NFC antenna |

Power Supply



Using the device for the first time

1. To operate the device please connect the provided power supply to the plug of the device (5). The green LEDs of the power supply unit should light up.
2. Never operate the unit with a power supply other than the provided one. Make sure to use an earthing outlet for AC connection.
3. The device starts automatically once power is supplied. To manually turn on the device press the power button for at least 3 seconds.
4. Follow the instructions on the display to complete the setup.

Troubleshooting

In case devices freezes and you need to do a hard reset, press and hold the power button for approx. 14 seconds. Device will be turned off now.

Connecting USB3.0 devices while being connected to a WLAN network requires it to be a 5GHz connection to maintain it. 2.4GHz networks will be disconnected on the device side while USB3.0 devices are in use.

Important Product and Safety information

- Do not drop, bend or twist your tablet. This can break tablet display glass, internal circuit boards or mechanics. If the glass breaks, do not touch the glass parts of the device or attempt to remove the broken glass from the device. Stop using the device until the glass is replaced by qualified service personnel.
- Do not try to disassembly your tablet. This may damage the device.
- Operate your device in a place where temperature is between -20°C and +50°C. Operation between -20°C to -10°C will result in limited performance.
- Store your device in a place where temperature is between -20°C and +60°C.
- For operation the socket-outlet shall be installed near the equipment and shall be easily accessible.
- Protect your device from water and moisture intake. Keep connector doors closed when not in use to prevent water and moisture intake.
- Listen to a headset at a moderate level, and do not place the device loudspeaker outlets near your ear when the loudspeakers are in use.
- Use only soft, clean and dry lint-free cloth to clean your device.
- Keep the unit and accessories away from small children.
- Switch off your device before boarding to an aircraft.
- Switch off your device in any area with a potentially explosive atmosphere.
- **Power rating for the device: 24V — 3.0A**
- Do not disconnect charger by pulling the cord.
- Do not use damaged power cords or plugs.
- **Save energy.** You can save energy by doing following:
 - Close unused applications and data connections.
 - Decrease screen brightness and sound volume.
 - Deactivate unnecessary sounds like touch panel sound.
 - Disconnect your device from mains outlet when it's not operated.
 - Do not keep unnecessary accessories connected in your device.
- **Recycle.** Return your used electronic units to dedicated collection points.

Warning Statements

To prevent possible hearing damage, do not listen at high volume levels for long periods.



Radio Waves Specifications

The device has the following radio waves specifications:

Radio Waves Specifications		
Radio	Frequency	Max. Output Power
NFC	13.56MHz	≤ 60 dBuA@10 m
Bluetooth	2.4-24835GHz	10 dBm(EIRP)
2.4G Wi-Fi	2.4-2.4835GHz	20 dBm(EIRP)
5G Wi-Fi	5.15-5.35GHz	22.2 dBm(EIRP)
	5.47-5.725GHz	23.0 dBm(EIRP)
	5.725-5.85GHz	14.8 dBm(EIRP)
	5.945-6.425GHz	22.9 dBm(EIRP)

Conformity Declarations

Depending on the actual model, following conformity / compliance statements are valid. Please check the type label of your device for further information.

EU Declaration of Conformity

Hereby, Aava Mobile declares that the radio equipment oona 22-2W is in compliance with Directive 2011/65/EU and 1999/5/EC or 2014/53/EU (2014/53/EU supersedes 1999/5/EC from 13th June 2017). The full text of the EU Declaration of Conformity is available at the following internet address: <http://www.oona-solution.com/doc>

CE Marking and European Economic Area (EEA)

The use of RLAN's, for use throughout the EEA, have the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 - 2.4835 GHz
- 5.13 - 5.35 GHz is restricted to indoor use only

Bluetooth® Wireless Technology for use through the EEA has the following restrictions:

- Maximum radiated transmit power of 100mW EIRP in the frequency range 2.400 -2.4835 GHz

Wireless Devices Country Approvals

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) are approved for use in the following countries: United States, Canada, and Europe¹. Please refer to the Aava Mobile Declaration of Conformity (DoC) for details of other country markings.

This is available at <http://www.oona-solution.com/doc>.

¹ Europe includes: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the UK(NI).

The device supports WLAN 5150-5350 MHz with indoor usage restrictions.



FCC Compliance Statement



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.

Radio Transmitters (Part 15)

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This product has been tested and found to comply with the following standards:

- For the worst case positions, the oona 22-2W is in compliance with the IC RSS 102 Issue 5 (RSS 102) and Federal Communications Commission (FCC) Guidelines (KDB) 447498 D03 for uncontrolled exposure. SAR assessment in body worn was conducted with a distance of 0 mm between the housing of the handheld and the flat phantom.
- EM 62311:2008: Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz).

Radio Frequency Interference Requirements - Canada

CAN ICES-3 (B)/NMB-3(B)

Radio Transmitters

This device complies with Industry Canada's license-exempt RSSs. 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 radio électrique subi même si le brouillage est susceptible d'en compromettre le fonctionnement.

For RLAN Devices:

The use of 5 GHz RLAN's, for use in Canada, have the following restrictions:

- Restricted Band 5.60 - 5.65 GHz

Pour les équipements RLAN:

L'utilisation de la bande RLAN 5 GHz au Canada présente les limitations suivantes :

- Bande restreinte 5.60 - 5.65 GHz

Label Marking: The Term 'IC:' before the radio certification only signifies that Industry Canada technical specifications were met.

Etiquette de marquage: Le terme "IC" avant la certification radio signifie que le produit est compatible avec le spécification Industrie Canada.

IC type approval ID: 2ABVH-OONA222W

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

802.11a Radio Precaution Statement

- The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.
- Transmitters in the 5.925-7.125 GHz band are prohibited from operating to control or communicate with unmanned aircraft systems.
- *Les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;*
- *De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.*

802.11 Radio Precaution statement

Users are responsible for configuring the channels of operation that comply with their country regulatory standards.

A Wireless Network Administrator should review the operating restrictions detailed within the Access Point installation manual.

Radio Frequency Interference Requirements - Brazil

The device meets the SAR limit of 2.0 W/kg established by Anatel (National Telecommunications Agency in Brazil). The product should be kept at least 1.5 cm from the body to ensure compliance with the radio frequency exposure limits.

Waste Electrical and Electronic Equipment (WEEE)



English: For EU Customers: All products at the end of their life must be returned to Aava Mobile for recycling. For information on how to return product, please go to: <https://www.pepperl-fuchs.com/global/en/42217.htm?>

Français: Clients de l'Union Européenne: Tous les produits en fin de cycle de vie doivent être retournés à Aava Mobile pour recyclage. Pour de plus amples informations sur le retour de produits, consultez : <https://www.pepperl-fuchs.com/global/en/42217.htm?>

Español: Para clientes en la Unión Europea: todos los productos deberán entregarse a Aava Mobile al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: <https://www.pepperl-fuchs.com/global/en/42217.htm?>

Български: За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Aava Mobile за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: <https://www.pepperl-fuchs.com/global/en/42217.htm?>

Deutsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Aava Mobile zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Aava Mobile al fine di consentire il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Português: Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Aava Mobile para reciclagem. Para obter informações sobre como devolver o produto, visite: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Nederlands: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Aava Mobile te worden teruggezonden voor recycling.

Raadpleeg <https://www.pepperl-fuchs.com/global/en/42217.htm?> voor meer informatie over het terugzenden van producten.

Polski: Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić do firmy Aava Mobile w celu ich utylizacji. Informacje na temat zwrotu produktów znajdują się na stronie internetowej <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Čeština: Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Aava Mobile k recyklaci. Informace o způsobu vrácení produktu najdete na webové stránce: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Eesti: EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Aava Mobile'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Magyar: Az EU-ban vásárlóknak: Minden tönkrement terméket a Aava Mobile vállalatához kell eljuttatni újrahasznosítás céljából. A termék visszajuttatásának módjával kapcsolatos tudnivalóért látogasson el a <https://www.pepperl-fuchs.com/global/en/42217.htm?> weboldalra.

Svenska: För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Aava Mobile för återvinning. Information om hur du returnerar produkten finns på <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Suomi: Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Aava Mobile-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Dansk: Til kunder i EU: Alle produkter skal returneres til Aava Mobile til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: <https://www.pepperl-fuchs.com/global/en/42217.htm?>

Ελληνικά: Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστρέφονται στην Aava Mobile για ανακύκλωση. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση <https://www.pepperl-fuchs.com/global/en/42217.htm?> στο Διαδίκτυο.

Malti: Għal klijenti fl-UE: il-prodotti kollha li jkun wasslu fl-ahhar tal-hajja ta' l-użu tagħhom, iridu jiġu rritornati għand Aava Mobile għar-riċiklaġġ. Għal aktar tagħrif dwar kif għandek tirritorna l-prodott, jekk jogħġbok zur: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Românesc: Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Aava Mobile pentru reciclare. Pentru informații despre returnarea produsului, accesați: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Slovenski: Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Aava Mobile za reciklažo. Za informacije o vračilu izdelka obiščite: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Slovenčina: Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich životnosti vrátené spoločnosti Aava Mobile na recykláciu. Bližšie informácie o vrátení výrobkov nájdete na: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Lietuvių: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti utilizuoti į kompaniją „Aava Mobile“. Daugiau informacijos, kaip grąžinti gaminį, rasite: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

Latviešu: ES klientiem: visi produkti pēc to kalpošanas mūža beigām ir jānogādā atpakaļ Aava Mobile otrreizējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Aava Mobile, lūdzu, skatiet: <https://www.pepperl-fuchs.com/global/en/42217.htm?>.

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