Omnino Pro

Assembly Guide

v1.1 – July 2019

Viglen Personal Computers are
manufactured by XMA in the UK

The information in this document is subject to change without notice.

Nothing herein should be construed as constituting an additional warranty. XMA shall not be liable for technical or editorial errors or omissions contained herein.

XMA limited Company makes no warranty of any kind regarding this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

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1 Document Control

1.1 Document Revision History

This document shall be amended by releasing a new edition of the document in its entirety.

The Amendment Record Sheet below records the history and issue status of this document.

Revision	Date	Reason for Revision
0.1		Initial draft
1.0	24/07/2019	Initial Release
1.1	31/07/2019	Corrections with package contents details and format.

1.2 References

Reference #	Reference

1.3 Abbreviations and Acronyms

Abbreviation	Description

2 Regulatory, Safety, Environmental and Configuration Information

Your Viglen Omnino Pro is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety it is important that you read the following safety instructions.

2.1 European Union regulatory notice

Declaration of Conformity

Products bearing the CE marking have been constructed so that they can operate in at least one EU Member State and comply with one or more of the following EU Directives as may be applicable: Low Voltage Directive 2014/35/EU; EMC Directive 2014/30/EU; RoHS Directive 2011/65/EU.

2.2 Important Safety instructions

Use the following safety guidelines to protect your computer from potential damage and ensure your personal safety.

The computer may be heavy; be sure to use ergonomically correct lifting procedures when moving it. Install the computer near an AC outlet. The AC power cord is your computer's main AC disconnecting device and must always be easily accessible. If the power cord provided with your computer has a grounded plug always use the power cord with a properly grounded AC outlet to avoid the risk of electric shock.

Do not operate the computer with the cover removed.
For your safety, always unplug the computer from its power source and from network port before performing any service procedures. Failure to do so may result in personal injury or equipment damage. Hazardous voltage levels are inside the power supply. As a safety precaution, if the system power load exceeds the specific configurations capacities, the system may temporarily disable some USB ports.

WARNING Before working inside your computer, read the safety information.

WARNING: Disconnect all power sources before opening the computer cover or panels. After you finish working inside the computer, replace all covers, panels, and screws before connecting to the electrical outlet.

CAUTION: To avoid damaging the computer, ensure that the work surface is flat and clean.

CAUTION: To avoid damaging the components and cards, handle them by their edges, and avoid touching pins and contacts.

CAUTION: You should only perform troubleshooting and repairs as authorized or directed by the XMA technical team. Damage due to servicing that is not authorized by XMA is not covered by your warranty

CAUTION: Before touching anything inside your computer, ground yourself by touching an unpainted metal surface, such as the metal at the back of the computer. While you work, periodically touch an unpainted metal surface to dissipate static electricity, which could harm internal components.

CAUTION: When you disconnect a cable, pull on its connector or on its pull tab, not on the cable itself. Some cables have connectors with locking tabs or thumbscrews that you must disengage before disconnecting the cable. When disconnecting cables, keep them evenly aligned to avoid bending any connector pins. When connecting cables, ensure that the ports and connectors are correctly oriented and aligned.

NOTICE: Only a certified service technician should perform repairs on the Viglen Omnino Pro. Damage due to servicing that is not authorised by XMA is not covered by your warranty.

NOTICE: XMA recommend customers do not carry out maintenance on the Viglen Omnino Pro; if it is done incorrectly customers may damage the main board or other components.

NOTICE: Before you start working on the Viglen Omnino Pro please ensure you have all the necessary tools as listed Below.

Potential safety conditions notice

If you notice any of the following conditions (or if you have other safety concerns), do not use the computer: crackling, hissing, or popping sound, or a strong odour or smoke coming from the computer. It is normal for these conditions to appear when an internal electronic component fails in a safe and controlled manner. However, these conditions may also indicate a potential safety issue. Do not assume it is a safe failure. Turn off the computer, disconnect it from its power source, and contact technical support for assistance.

Acoustics notice

Sound pressure level (LpA) is far below 60dB(A) (operator position, normal operation, according to ISO 7779).

Battery notices

WARNING: This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

WARNING: Keep new and used batteries away from children.

WARNING: Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of liquid or gas.

WARNING: A battery subjected to extremely low air pressure may result in an explosion or the leakage of liquid or gas.

Batteries should not be disposed of together with the general household waste. In order to forward them to recycling or proper disposal, please use the local public collection facilities. Details of these should be obtained from your local authority. To find more information on WEEE recycling and to locate your nearest recycling centre please visit the Recycle More website or return them to XMA.

Fan notices

WARNING: Keep body parts away from moving parts.
WARNING: Keep body parts away from fan blades.
WARNING: Keep body parts out of the motion path.

Headset and earphone volume level notice

WARNING: To prevent possible hearing damage, do not listen at high volume levels for long periods. Adjustment of the volume control as well as the equalizer to other settings than the centre position may increase the ear-/headphones output voltage and therefore the sound pressure level.

2.3 Environmental notices

Product Design
XMA's products are designed to ensure that all our equipment can be dismantled, and the components and materials are recoverable.

WEEE Marking

All XMA's products that are subject to the WEEE directive shipped from 13th August 2005 are compliant with the WEEE marking requirement. Such products are marked with the "crossed-out wheelie bin" WEEE symbol (shown, right) in accordance with European Standard EN50419.
All old electrical equipment can be recycled. Please do not throw any electrical equipment (including those marked with this symbol) in your bin.

Information for Customers

According to the requirement of the WEEE legislation, the following user information is provided to customers for all branded XMA products subject to the WEEE directive.
"The symbol on the product or its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste for recycling, please contact your Local Authority, or where you purchased your product."

In the UK, distributors including retailers must provide a system which allows all customers buying new electrical equipment the opportunity to recycle their old items free of charge. As a responsible retailer, we have met the requirements placed on us by financially supporting the national network of WEEE recycling centres established by local authorities. This is achieved through membership of the national Distributor Take-back scheme (DTS).

Treatment

In accordance with UK legislation, XMA confirm that treatments and recycling of WEEE done on behalf of XMA, either by a collective scheme or individually, will be carried out in accordance with the requirement of the WEEE Directive, including requirements in respect of special treatment for specific parts and overall recovery rates.

For more information about XMA's Environmental policy and WEE compliance Statement, refer to:
https://www.xma.co.uk/who-we-are/accreditations/

Environment Policy Statement

WEEE Compliance Statement

2.4 Recommended tools

Phillips Screwdriver PH	**3⁄32 in (2.4 mm) 0–1**
Security Torx T10	0.107 in (2.74 mm)
Anti-Static Strap	
Soft cloths	

2.5 After working inside your computer

CAUTION: Leaving stray or loose screws inside your computer may severely damage your computer.

1. Replace all screws and ensure that no stray screws remain inside your computer.
2. Connect any external devices, peripherals, or cables you removed before working on your computer.
3. Replace any media cards, discs, or any other parts that you removed before working on your computer.
4. Connect your computer and all attached devices to their electrical outlets.
5. Turn on your computer.

3 Setting up your Omnino Pro

Read and follow all instructions in the documentation before you operate the system.

- Do not use this product near water or a heated source such as a radiator.
- Set the system up on a stable surface.
- Openings on the chassis are provided for ventilation. Do not block or cover these openings. Ensure that you leave plenty of space around the system for ventilation. Never insert objects of any kind in the ventilation openings.
- In order to maintain the best performance of your AIO and use it for a longer lifetime, please use the product in a location that falls within the following temperature and humidity ranges.

    - Temperature: 0ºC- 40ºC 32-104°F
    - Humidity: 20-80% RH

Please Keep the LCD screen out of direct sunlight, very strong bright lights and away from any other heat source. Lengthy exposure to this type of environment may result in discoloration and damage to the LCD screen.

4 Internal Power

4.1 Internal Power Module information

150 Watts Power Module
Input voltage: 100-240V F5A
Input Frequency: 50-60Hz
Rating output current: 150W (19.0V 7.89A)
Rating output voltage (19.0V)

4.2 The socket outlet must be near the PC and easily accessible.

DC Fan Warning
Please note that the Omnino Pro contains one or more fans with moving parts that may cause DANGER if the product is operated with the back cover removed. Please ensure that the power is disconnected and that the fan blades have ceased movement before attempting maintenance.

Panel Configuration
Active area: 527.04mm (H) x 296.46mm(V)
Panel Resolution: 1,920 x 1,080
Display colours: 16.7M colours
Display model: Normally Black
Surface Treatment: Anti-Glare, 3H

5 Package Contents

The following accessories are included in the box. Please check against your order to see if they are enclosed with the All-in-one. If anything is missing or damaged, please contact support team.

All-in-One PC

Keyboard

Mouse

Power Cable

Stand Riser and base

Stand accessories pack

Omnino Security Pillar Kit (Optional)

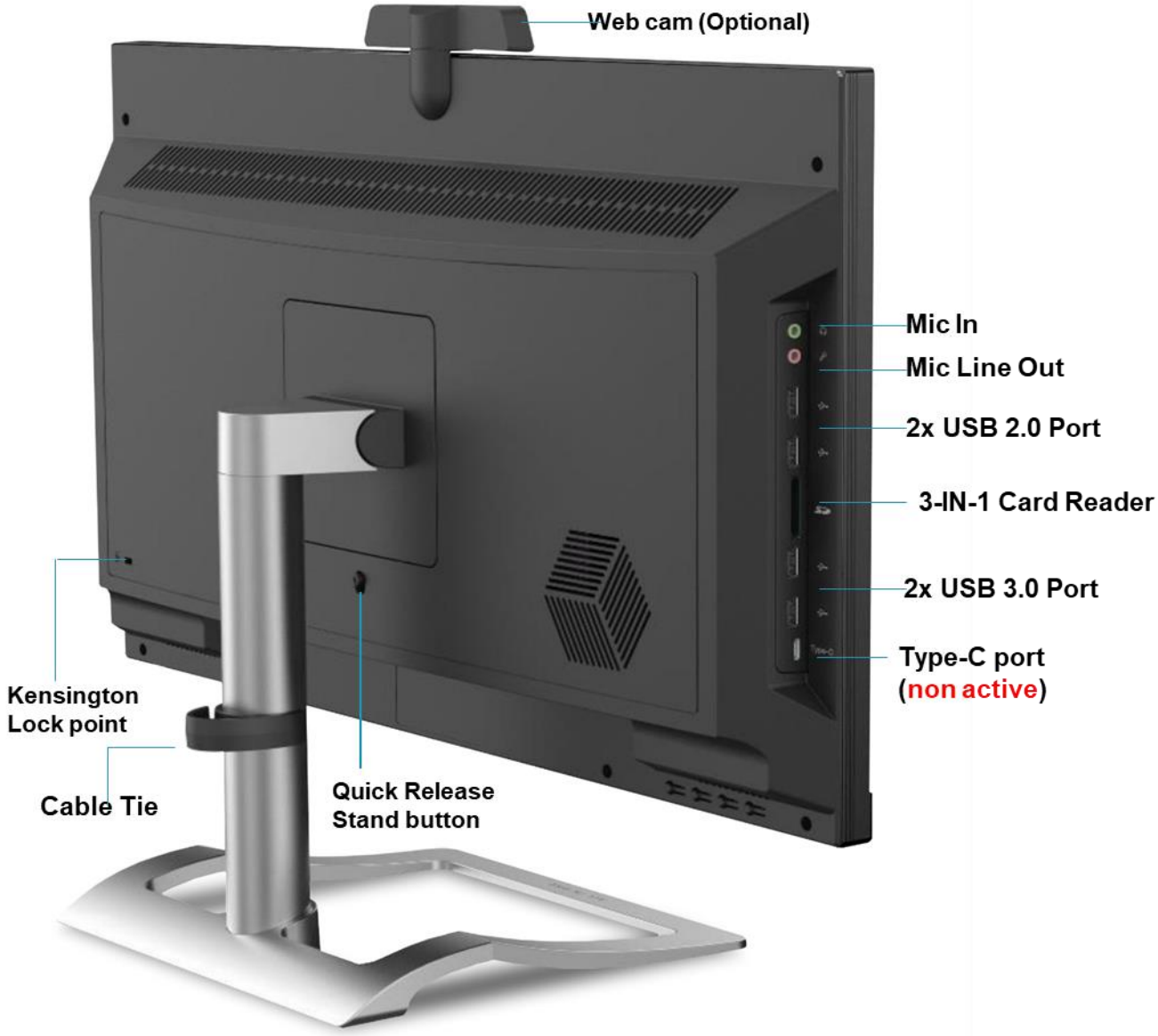
keyboard, mouse and accessories parts are for reference only. Actual products specification may vary.

6 System Overview

6.1 Front View

one some model of system board, the on-screen-display (OSD) for brightness indicator may function in reverse order to engraved brightness button on the panel.

6.2 Rear View (right-hand side)



USB Type-C Port is NOT active, this feature is for future release of system board model.

6.3 Rear View (left-hand side)

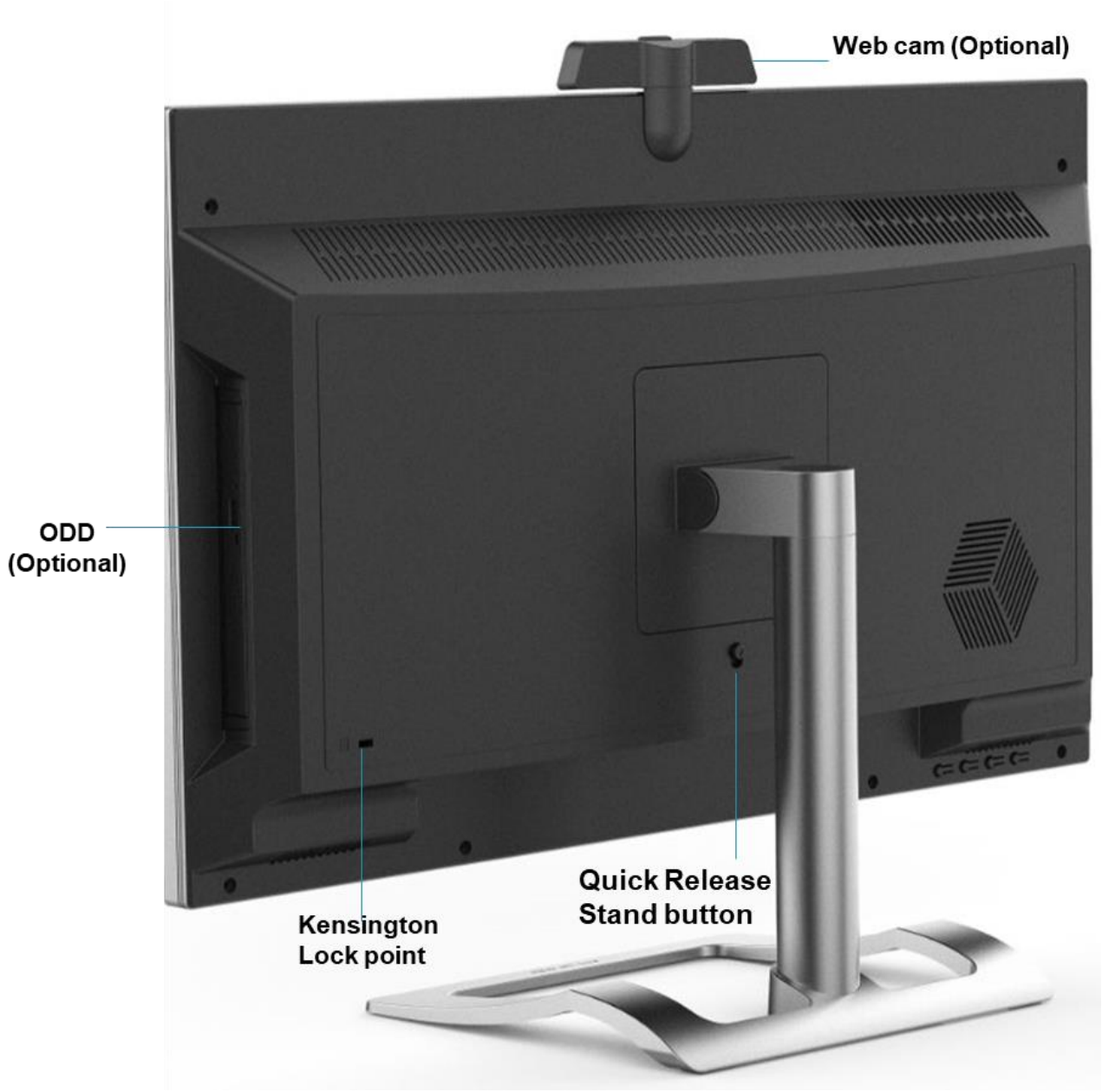
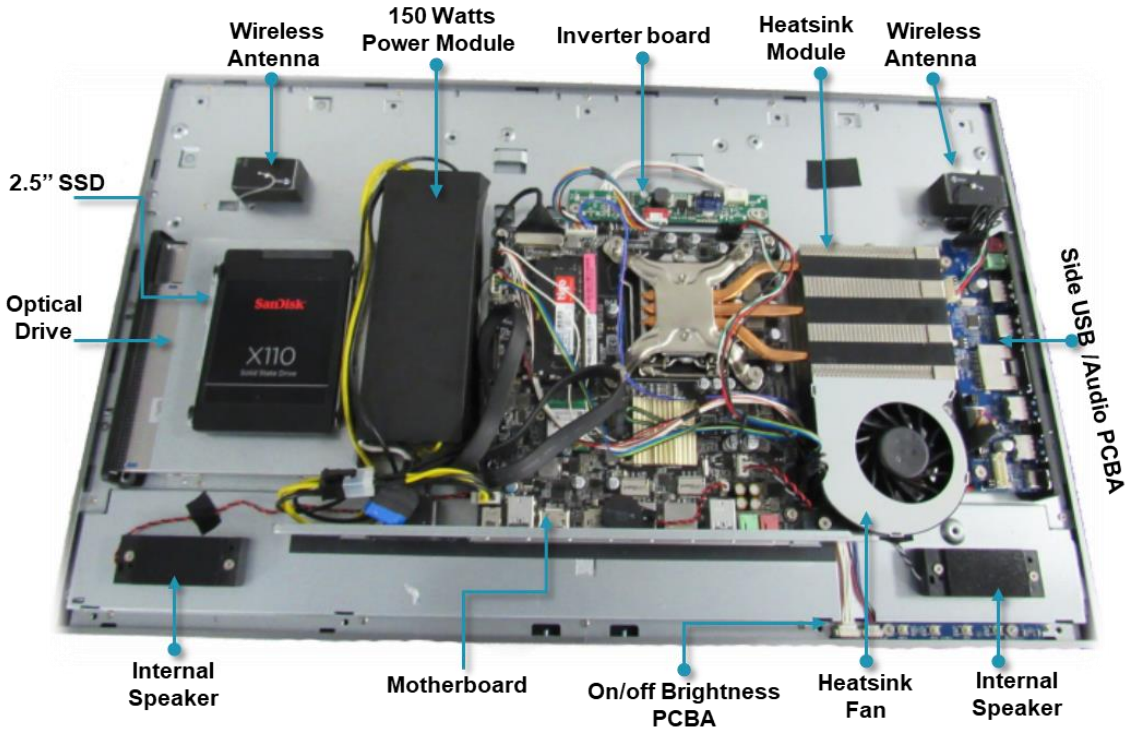


Image for illustration purposes, actual products specification may vary.

6.4 Rear View (Under-side)

Image for illustration purposes, actual products specification may vary.

7 System Overview (Internal)



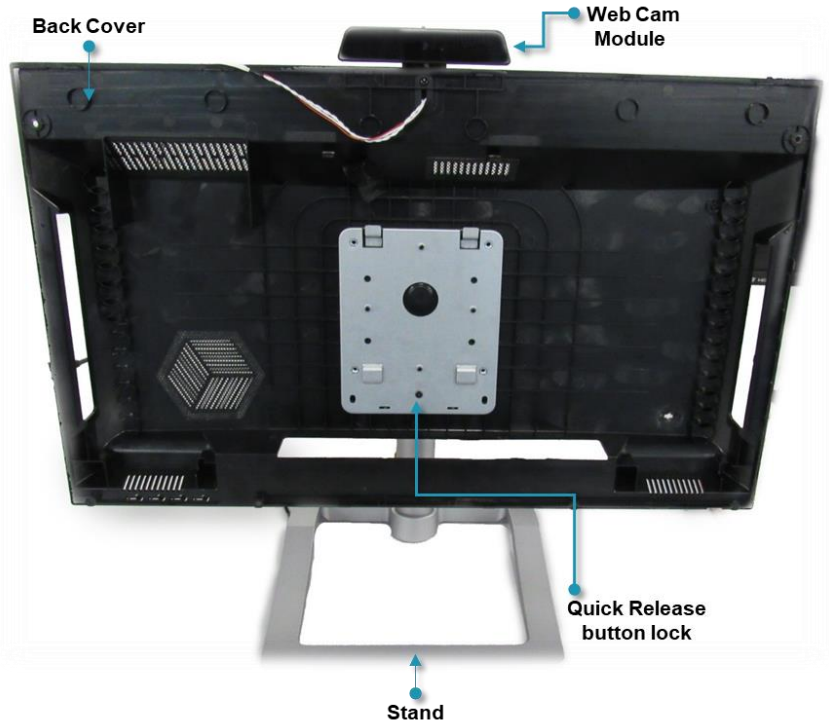
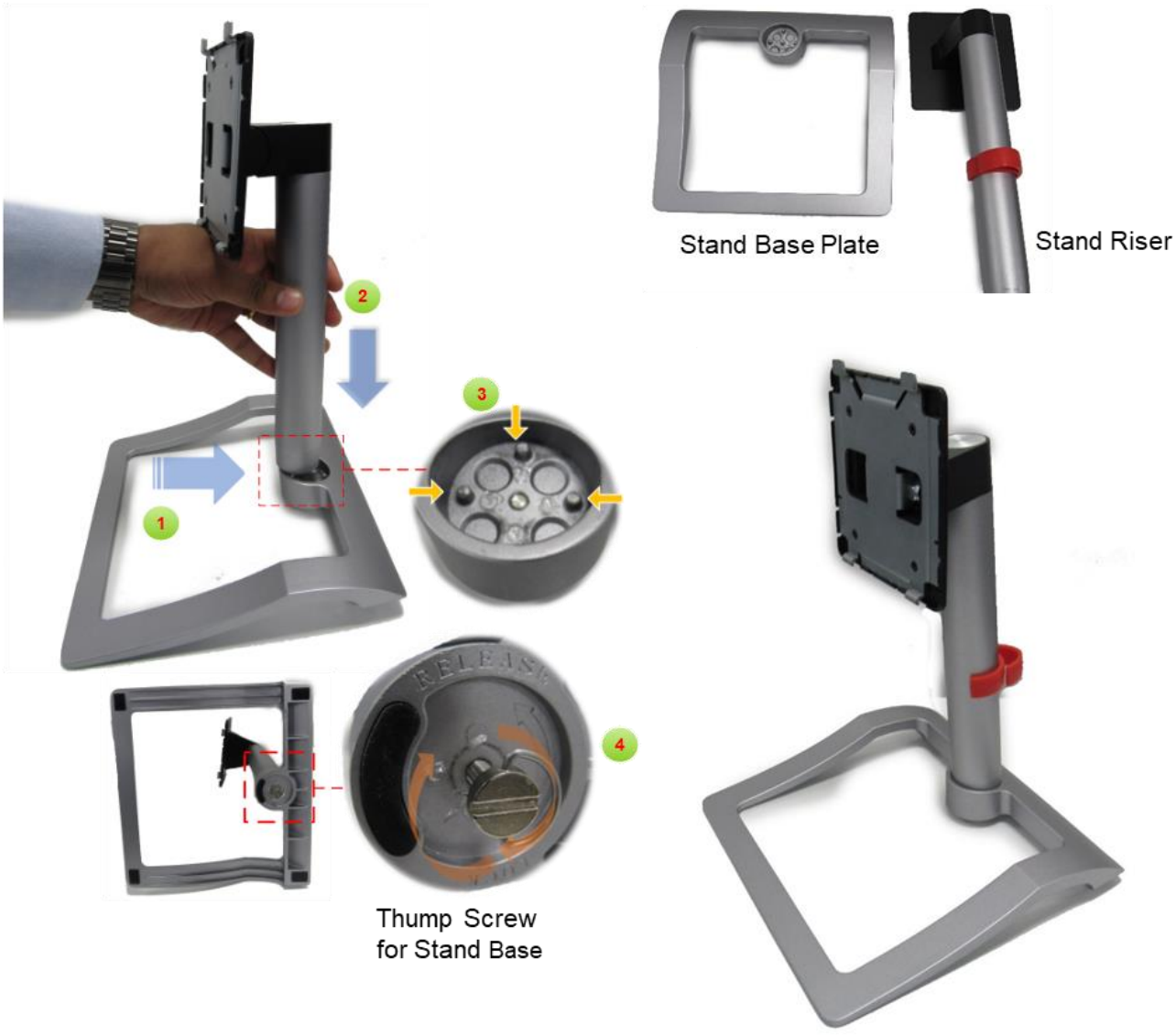


Image for illustration purposes, actual products specification may vary.

8 Stand Base Assembly

Procedure

1. Put a piece of soft cloth on the table beforehand to prevent the stand from being scratched
2. Hold the Stand raiser and push down the stand base ensuring it is aligned and is secure.
3. Use the ‘thump screw’ to tighten the screw located at the bottom of the base.



The Thump screw and stand cable tie is included with stand accessories pack.

8.1 Fitting of Base Stand

Prerequisites
Assemble the base stand.

Procedure
1. Put a piece of soft cloth on the table beforehand to prevent the screen being scratched.
2. Gently attach the base stand to the VESA mount
3. Gently push down until the latch locks the stand.

CAUTION: To protect LCD screen from possible damage, do not put excessive pressure on the LCD panel. When moving the screen, grasp the frame to lift; do not lift the AIO by placing your hand or fingers on the LCD panel.

• Unplug the monitor if you are not going to use it for an extensive period of time.
• Unplug the monitor if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use organic solvent, such as, alcohol, or ammonia-based liquids to clean your monitor.

8.2 Removing the Base Stand

Caution

To protect the LCD screen from possible damage, do not put excessive pressure on the LCD panel. When moving the unit, grasp the frame to lift; do not lift the LCD screen by placing your hand or fingers on the LCD panel.

Procedure:

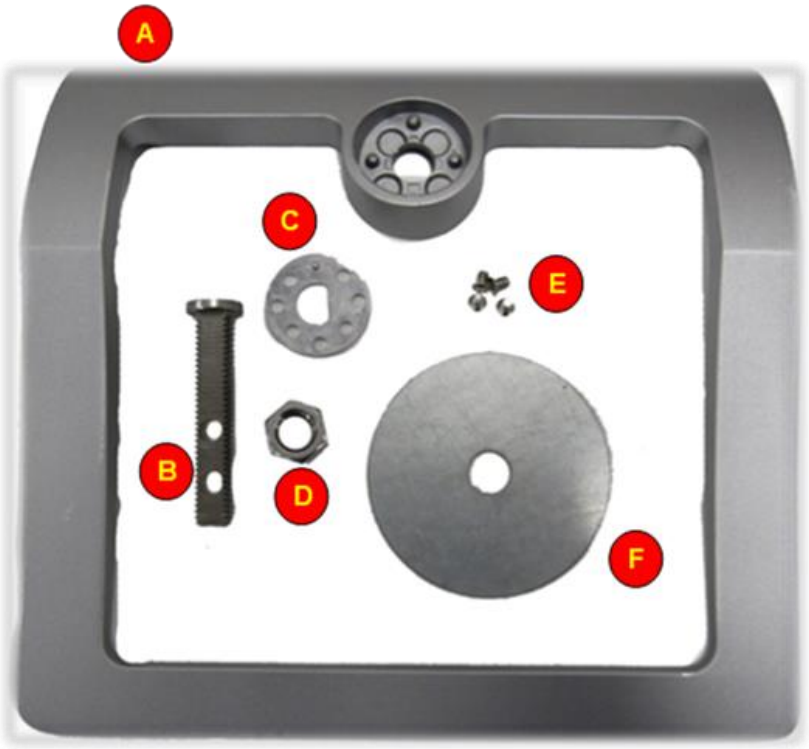
1. Place the unit face down on a smooth surface. Pay attention not to damage the screen.
2. Press the quick release button down to release the stand.
3. Left the stand way and place it somewhere safe.

8.3 Optional Security Pillar Kit

The dedicated security pillar for the Viglen Omnino Pro provides an effective theft deterrent without compromising the versatility of the Omnino Pro.

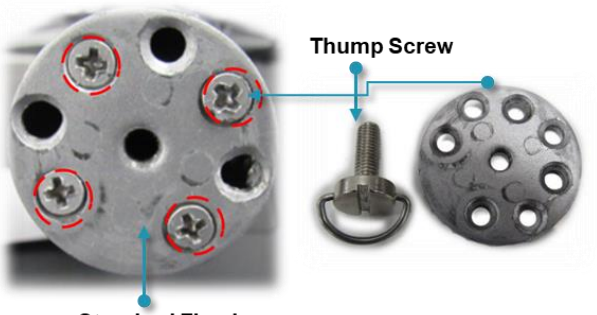
Spare Part number	Description
E07SPL01	Security Pillar for Omnino Pro (2019)
ESPADL06	30mm Security Padlock

The Security pillar kit consists of following parts:



Kit Contents:

A. 1x Stand Base for security pillar
B. 1x Security Pillar
C. 1x Security fixed metal plate
D. 1x Pillar Nut
E. 4x fixing screws
F. 1x spacing Washer



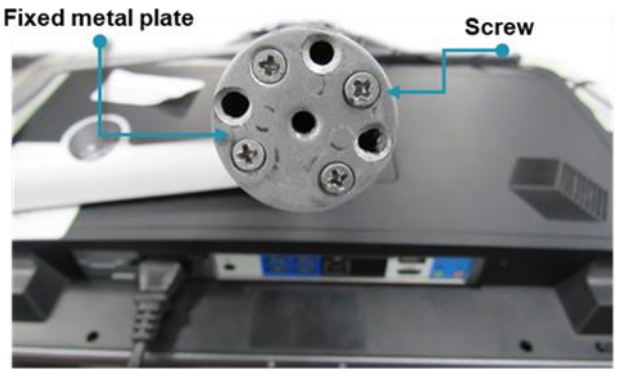
Caution **Please make a note of the fixed metal plate for security pillar and thump screw version. Original Thump screw and standard fixed metal plate should be kept for future usage.**

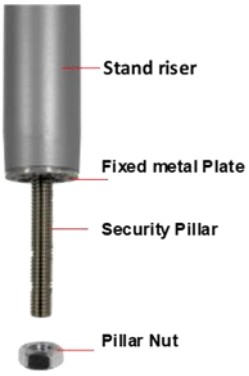
8.4 Assembly of Security Pillar Kit (Part 1)

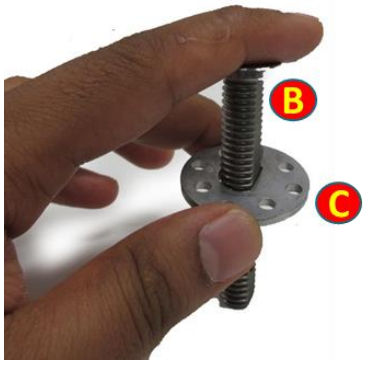
To assemble the security pillar, it's a two-part process, first step is to remove the original fixed metal plate from the stand riser.

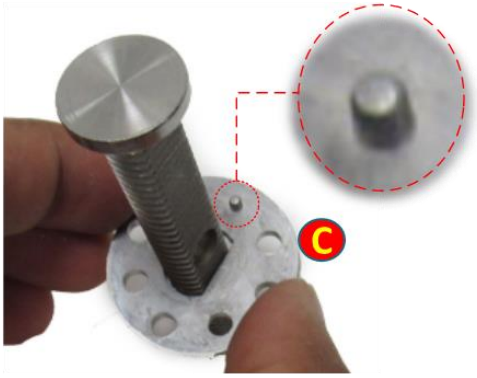
Procedure:

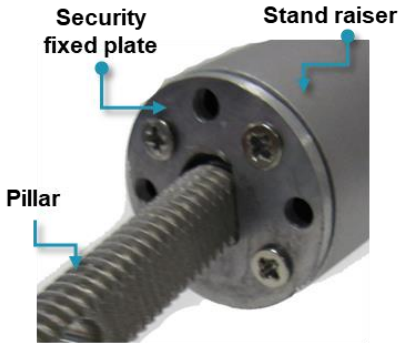
1. Remove the original fixed metal plate from the stand raiser by removing the four screws.
2. Assemble the pillar (B) with security fixed metal plate (C).
3. Secure the pillar assembled in step 2 to the stand raiser using four screws.







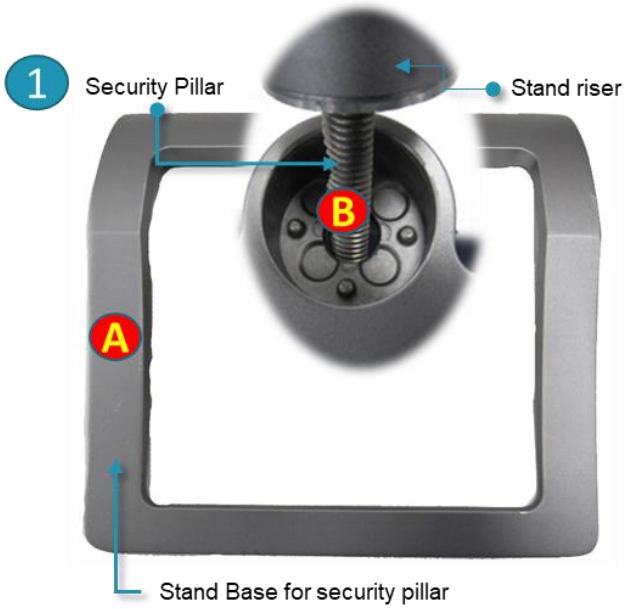


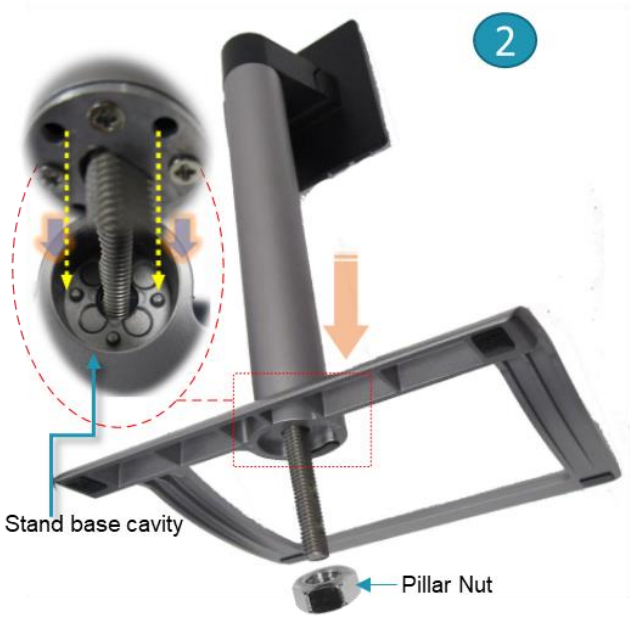


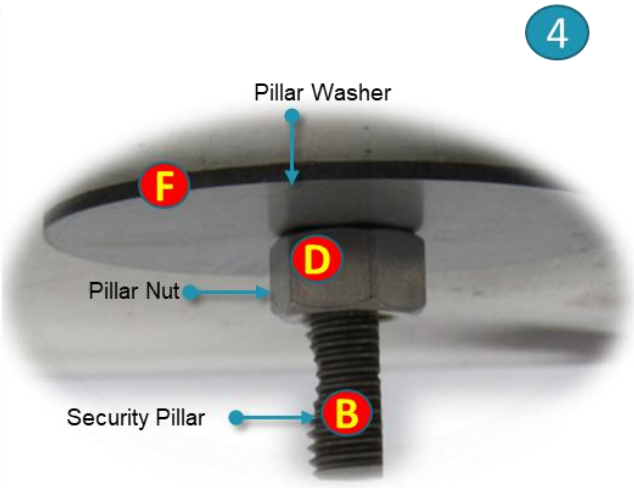
8.5 Assembly of Security Pillar Kit (Part 2)

Procedure:

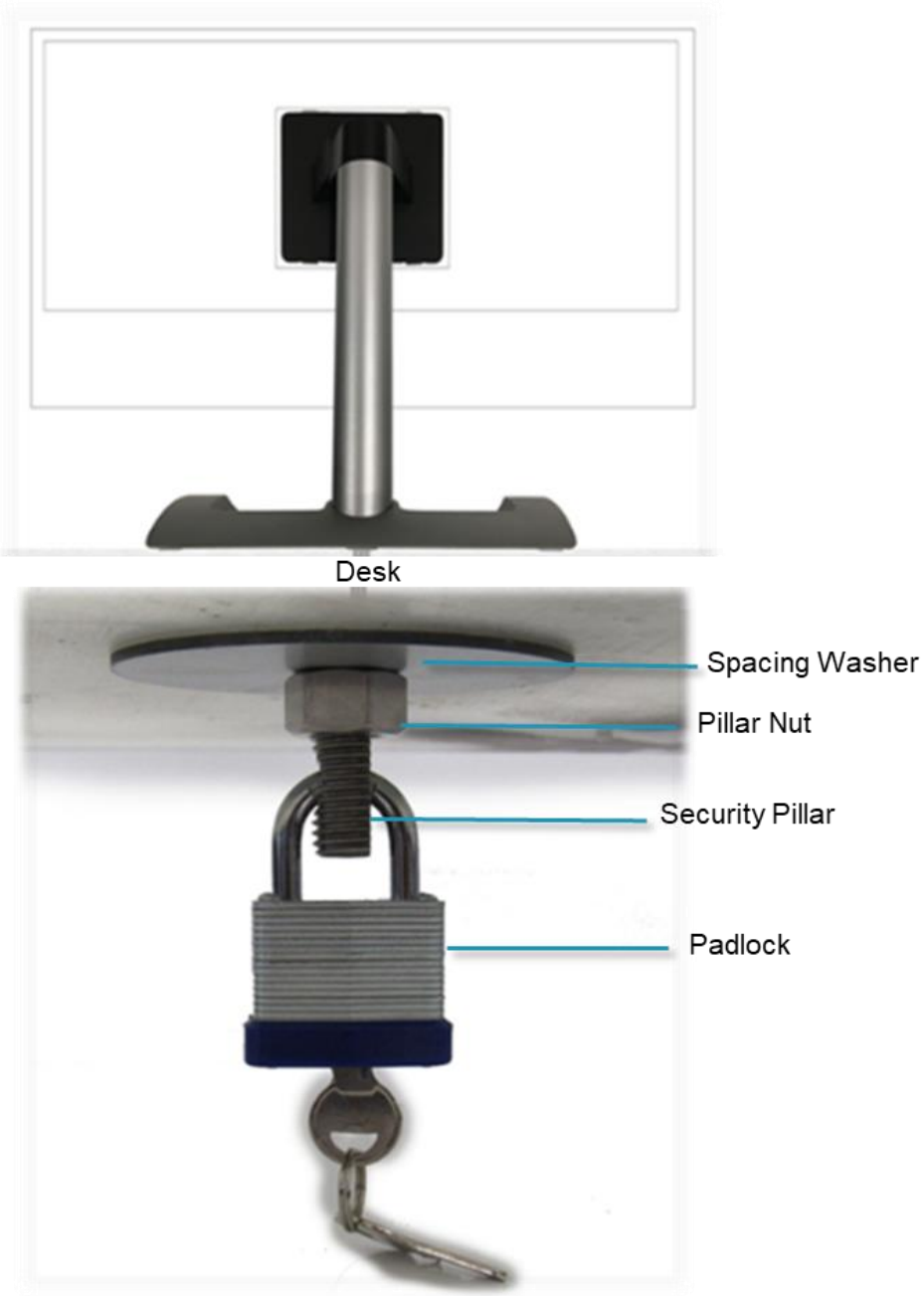
1. Firmly hold the assembled stand raiser with security pillar attached.
2. Feed the security pillar through the stand base cavity. Ensure stand raiser is aligned with three base clips located in the stand base cavity.
3. Fit the assembled stand to the Omnino Pro.
4. Feed the security pillar with chassis attached through the hole on the desired desk.
5. Secure it with pillar washer and pillar nut
6. Use padlock to secure the unit.







8.6 Overview of fully Assembled Security Pillar



Security pillar can only support 30mm padlocks. Anything greater is not supported by the security pillar.

9 Optional Height Adjust Stand

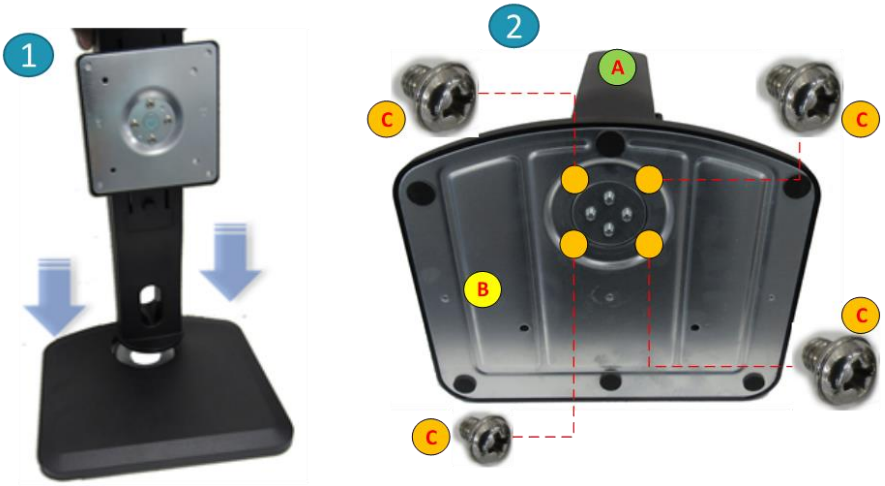
The optional height adjust stand is a generic stand designed to be compatible with different model of AIO's. The standard VESA screw received with Height adjust is not compatible with Omnino Pro therefore additional VESA screw kit is required.

Spare Part number	Description
VPAM06H1	Height Adjust Stand for Viglen Omnino (2017
UARSAV10	4x VESA 14mm Long Screw

9.1 Optional Height Adjust Stand kit

9.2 Height Adjust Stand Assembly (Part 1)

1. Put a piece of soft cloth on the table beforehand to prevent the stand from being scratched.
2. Hold the Stand raiser **(A)** and push the Stand-Base **(B).**
3. Use the 'stand base screw' **(C)** provided to secure stand base to stand riser.

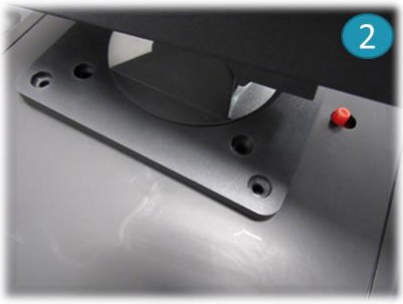


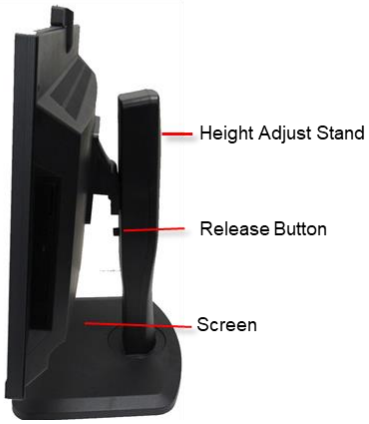
9.3 Height Adjust Stand Assembly (Part 2)

Caution **Stand Release Button: Press the release button at the front of the stand while pushing the monitor from the top. Careful attention is required as the stand is sprung loaded and may expand quickly.**

Procedure

1. Place the unit face down on a smooth surface. Pay attention not to damage the screen.
2. Hold the stand with both hands.
3. Gently line the stand to the VESA mount area until , aligning the screw holes.
4. Secure the stand with four long VESA screws **(D)**





9.4 Removing the Height Adjust Stand Base Assembly

Before you start disassembling the height adjust stand from Omnino Pro chassis, please follow the instructions below to avoid any possible damage or injury.

Procedure

1. Place the screen face down on a smooth surface. Pay attention not to scratch or damage the screen.
2. Remove the four VESA screws.
3. Lift the monitor stand off the computer base.

Caution **Stand Release Button: Press the release button at the front of the stand while pushing the monitor from the top. Careful attention is required as the stand is sprung loaded and may expand quickly.**

10 Removing the Rear cover (Part 1)

Procedure

1. Using caution, lay the Omnino Pro down on a flat surface covered with a soft cloth
2. Push the quick release button down to release the stand.
3. Gently lift the base stand off from the computer base.

Important: If the Quick release button cannot be pressed down then it is secured internally. The rear over will need to be removed with stand attached. Please refer to section 11 'Stand Security - Quick Release Button'

10.1 Removing the Rear cover (Part 2)

Beware of sharp edges inside the chassis.

Never open the cover while the power cord is attached. You might damage your computer or be injured by the spinning fan blades. Beware of sharp edges inside the chassis.

Caution

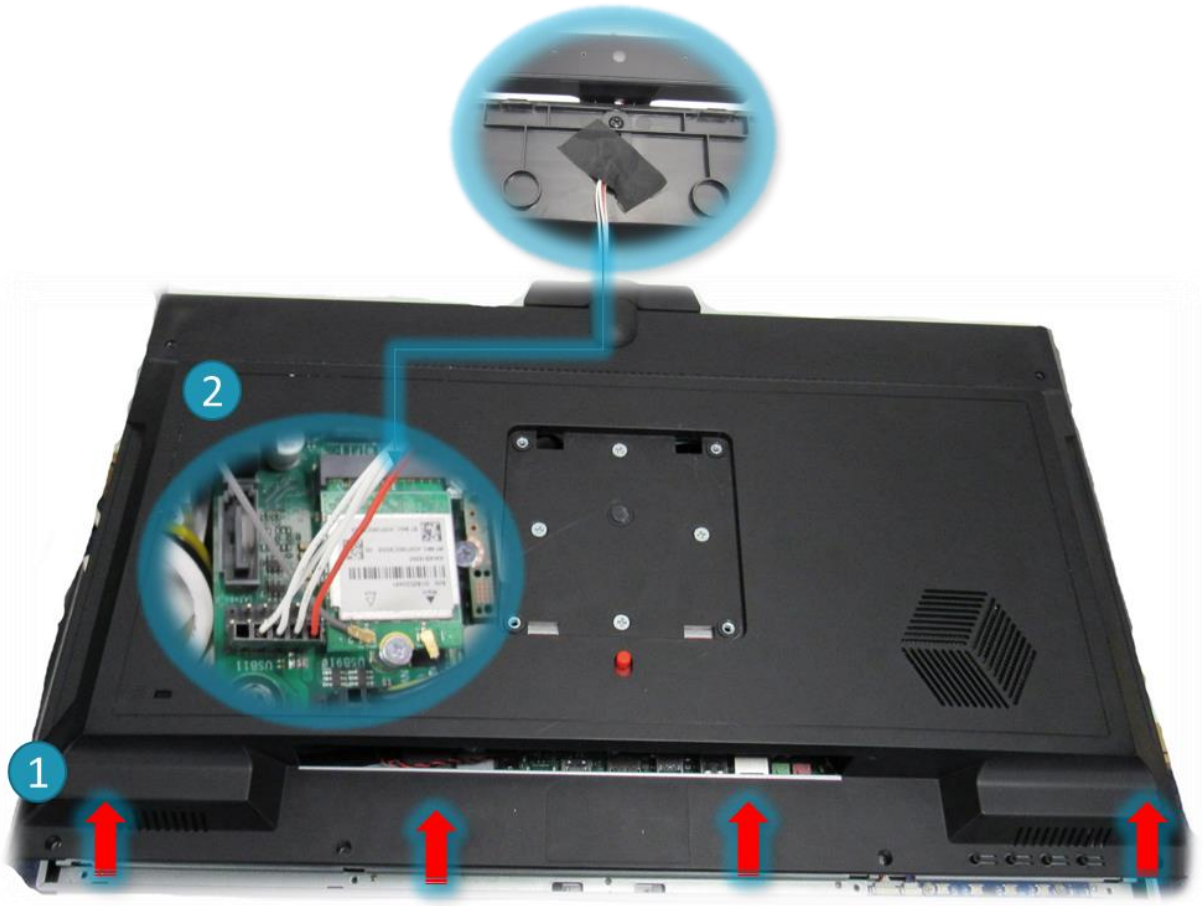
This product contains components that can be damaged by electrostatic discharge (ESD). To reduce the chance of ESD damage, work over a noncarpeted floor, use a static dissipative work surface (such as a conductive foam pad), and wear an ESD wrist strap connected to a grounded surface.

Procedure

1. Prepare the computer for disassembly (see Important Safety Instructions).
2. Using caution, lay the Omnino Pro down on a flat surface covered with a soft cloth.
3. Remove the screws that secure the base cover.
4. Gently lift the back cover ensuring to disconnect webcam module connector from the system board.

If the webcam module is configured, connector must be disconnected before fully removing the rear cover.

To disconnect the Webcam connector, lift the back cover halfway to access the webcam connector from the system board USB2.0 header before lifting the back cover fully.

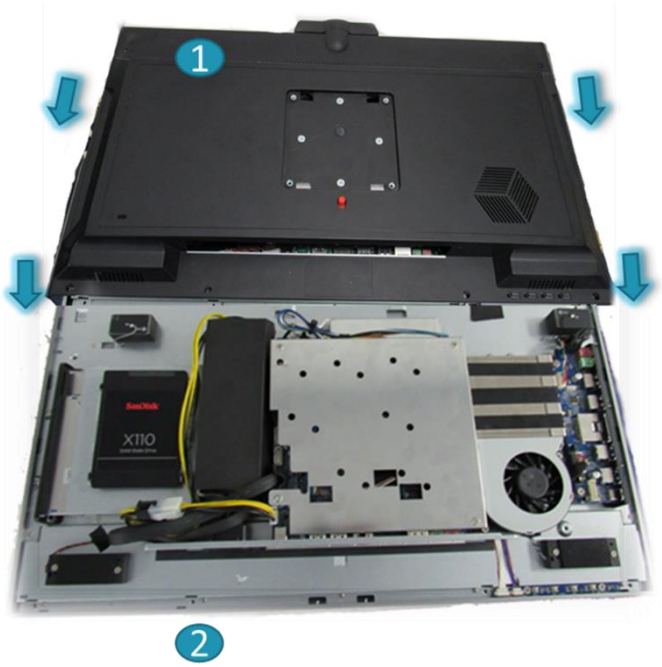


10.2 Replacing the Rear cover

Required Screws	Description
4pcs	M3.0*5.8(L)*6.0(P)*2.0(T)mm Phillips pan Screws

Procedure

1. Align the slots on the back cover with the tabs on the display bezel and snap the back cover into place.
2. Secure the back cover with screws.

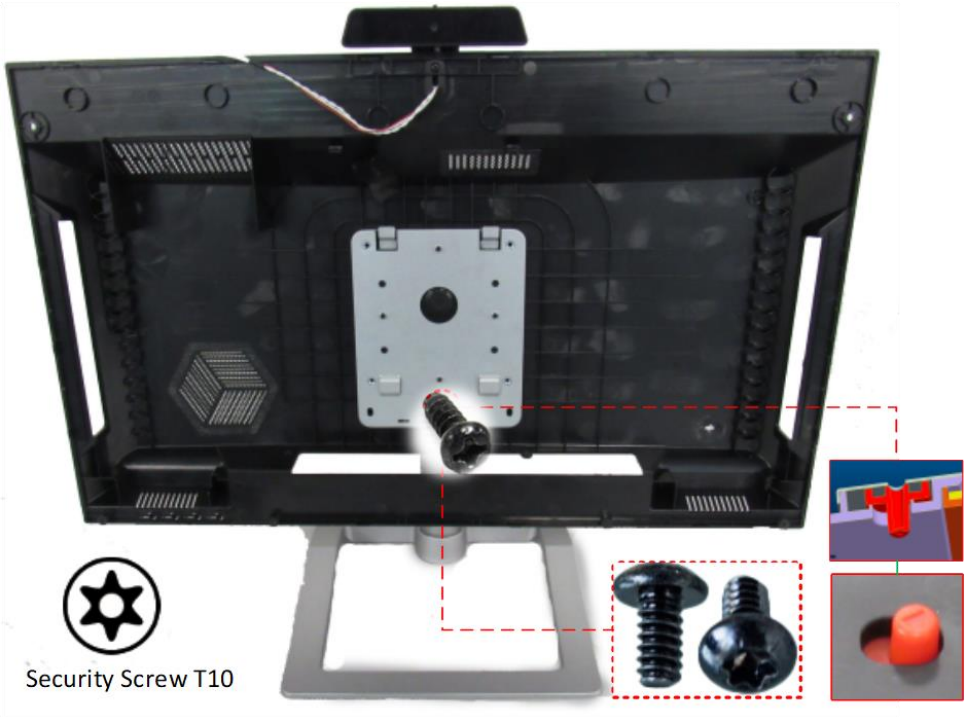


If the webcam module is configured, ensure connector is connected before securing the back cover.

11 Stand Security - Quick Release Button

The stand quick release button is designed to enable users to remove the stand from the Omnino Pro quickly. However, the quick release button can be secured internally for additional security.

The quick release button can be secured with standard or T10 security screw (optional). This is an optional feature which can be preconfigured in the factory or end user can disable the quick release button for the stand.



1. To disable the quick release button, use M4 screw to disable.
2. To enable the quick release button, remove the standard or T10 Screw.

The standard quick release button screw is included with stand accessories pack. Labelled ‘base snap screw’. T10 security screw is an optional screw.

12 Removing the System board

NOTE: Before disconnecting the cables from the system board, note the location of the connectors so that you can reconnect the cables correctly after you replace the system board.

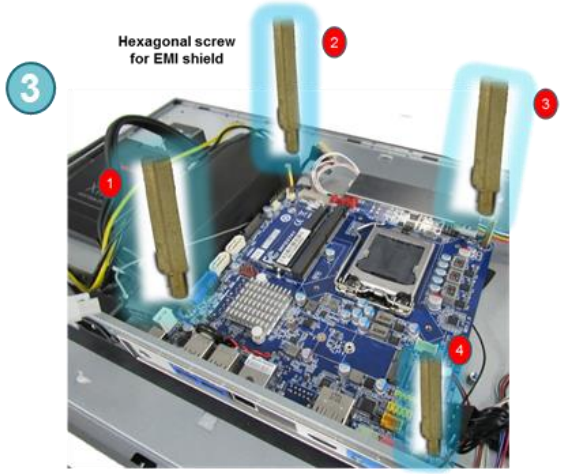
NOTE: Replacing the system board removes any changes you have made to the BIOS using the BIOS setup program. You must make the desired changes again after you replace the system board.

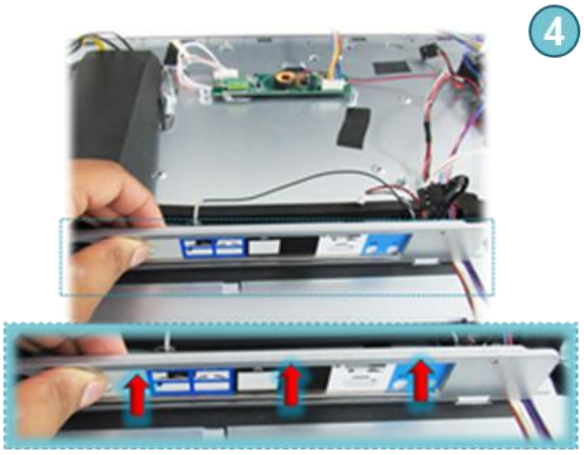
Caution

This product contains components that can be damaged by electrostatic discharge (ESD). To reduce the chance of ESD damage, work over a noncarpeted floor, use a static dissipative work surface (such as a conductive foam pad), and wear an ESD wrist strap connected to a grounded surface.

Procedure

1. Remove the screws that secure the Motherboard EMI metal shield.
2. Disconnect all cables from the system board.
3. Remove the four Hexagonal screw for EMI shield.
4. Gently lift the motherboard out from the chassis base.
5. Remove the system board IO shield.





12.1 Replacing the System board

Procedure

1. Align the screw holes on the system board with the screw holes on the computer base.
2. Replace the Hexagonal screws that secure the system board to the computer base.
3. Connect all the cables to the system board
4. Connect the fan cable to the system board.
5. Set the correct jumper settings for the system board.

Post-requisites

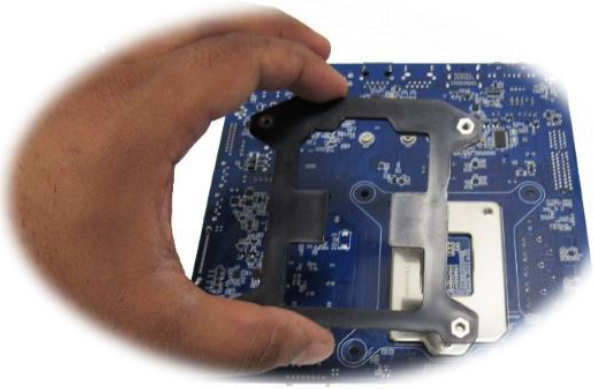
1. Replace the heat sink.
2. Replace the memory module.
3. Replace the wireless card.

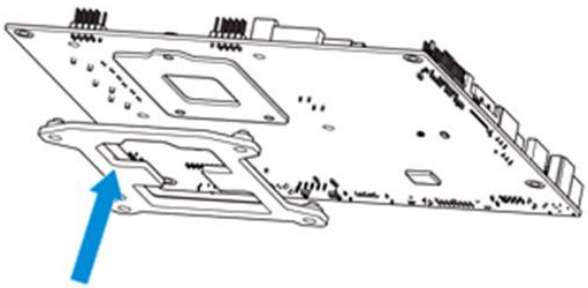
Motherboard Hexagonal screws

Motherboard & IO shield

Thermal Module

NOTE: Before system board is positioned into the chassis please check CPU thermal bracket is attached on the system board. Without the thermal bracket, thermal module cannot be secured.





12.2 System board Jumper settings

WARNING: Setting incorrect system board jumper settings can damage the system board or the display panel.

Please refer to motherboard manual for location of jumpers for display panel backlight and display panel VCC power.

The Viglen Omnino Pro supports following jumper settings.

Product	Display panel backlight (3-pin BLKT_PWR_SEL)	Display panel VCC power (VCC_PWR_SEL)
Omnino Pro	**19V ATX Power**	**5V**

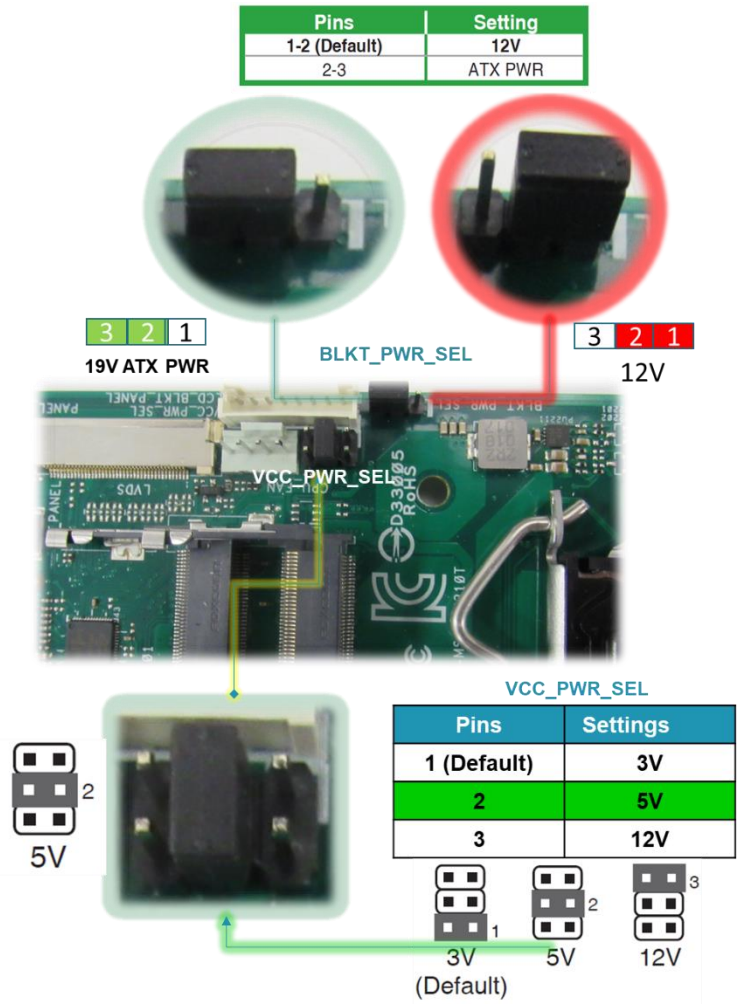
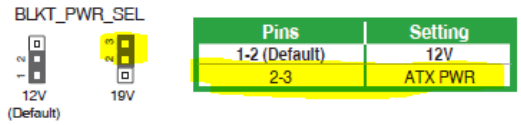
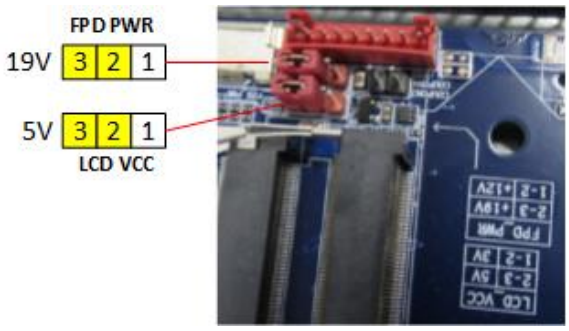
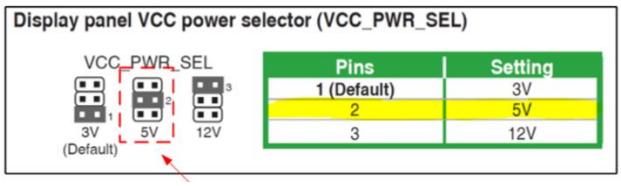
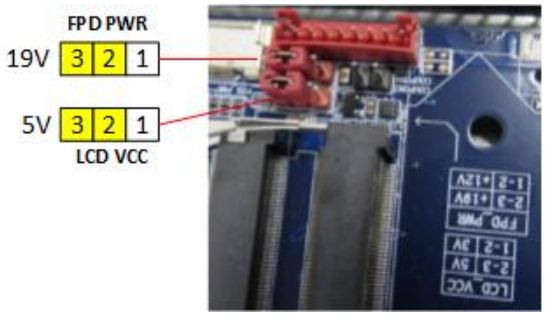


Image for illustration only. Actual jumper setting location will vary for different system board models. Refer to motherboard manual for correct location.

12.3 System board Jumper settings for different models

Motherboard	3 Pin BLKT PWR SEL	Notes
Vig855S	**19V**	
Vig790S	**19V**	
Vig791S	**19V**	
Vig870G	**19V**	

Motherboard	LCD VCC Power	Notes
Vig855s	**5V**	
Vig790S	**5V**	
Vig791S	**5V**	
Vig870G	**5V**	

13 Removing the Heatsink

WARNING: The heat sink may become hot during normal operation. Allow sufficient time for the heat sink to cool before you touch it.

Prerequisites

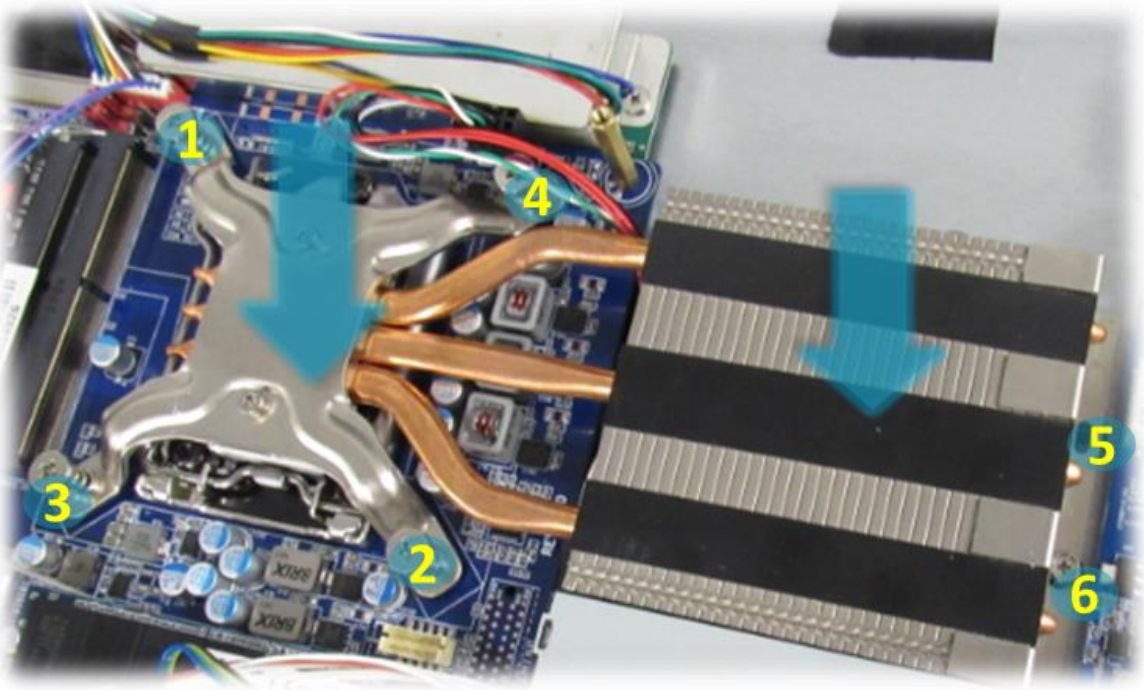
Procedure

1. Disconnect the CPU fan header from the system board.
2. In sequential order (indicated on the heat sink), loosen the captive screws that secure the heat sink to the system board.
3. Lift the heat sink off the system board and chassis.

13.1 Replacing the heat sink

CAUTION: Incorrect alignment of the heat sink can damage the system board and processor.

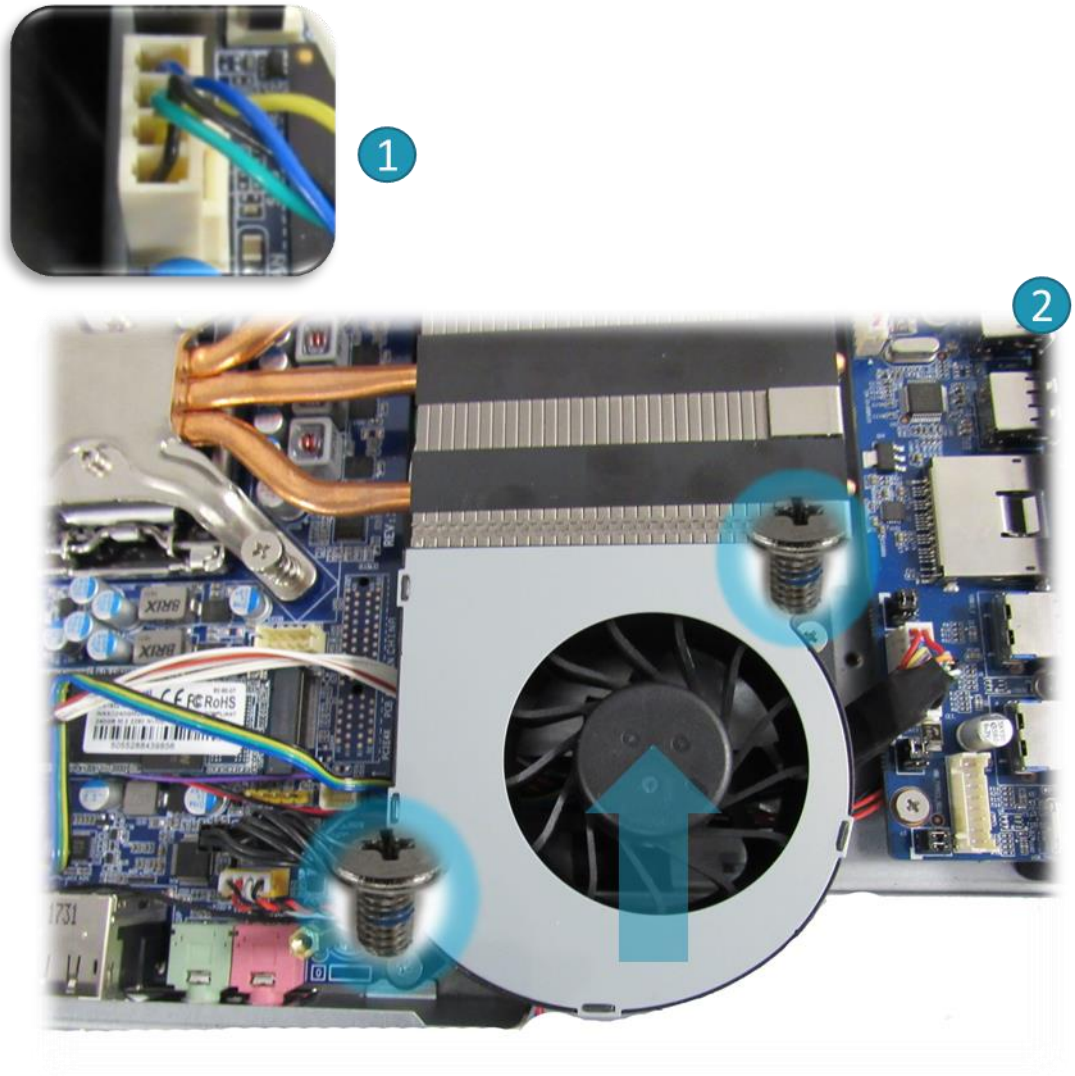
1. Align the captive screws on the heat sink with the screw holes on the system board.
2. In sequential order (indicated on the heat sink), tighten the captive screws that secure the heat sink to the system board and chassis.



14 Removing the fan

Procedure

1. Disconnect the fan cable from the system board.
2. Remove the screws that secure the fan to the computer base.
3. Lift the fan, along with its cable, off the computer base.



14.1 Replacing the fan

Procedure

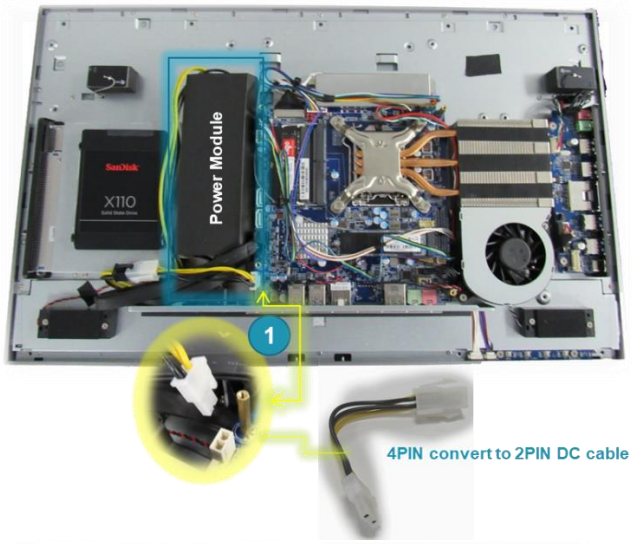
1. Align the screw holes on the fan with the screw holes on the computer base.
2. Replace the screws that secure the fan to the computer base.
3. Connect the fan cable to the system board.

15 Removing Internal Power board

WARNING: Disconnect all power sources before opening the computer cover or panels. After you finish working inside the computer, replace all covers, panels, and screws before connecting to the electrical outlet.

Procedure

1. Disconnect the 19V power cable (4Pin converter to 2Pin DC cable) from the system board.
2. Lift the mylar from the power board.
3. Remove the screws that secure the power board to the computer base.
4. Remove the two screws from outlet connector.
5. Lift the power board, along with its cable, off the computer base.



4PIN convert to 2PIN DC cable

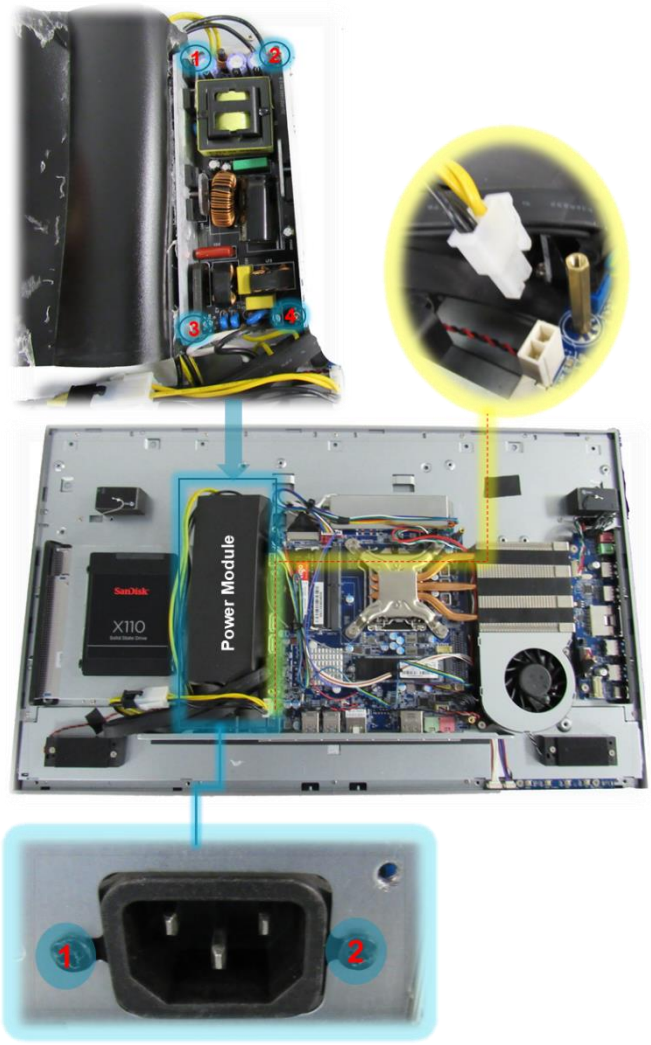
NOTE: Please ensure 4Pin converter to 2Pin DC cable is used, this cable should not be discarded.

15.1 Replacing the Internal Power board

WARNING: Disconnect all power sources before opening the computer cover or panels. After you finish working inside the computer, replace all covers, panels, and screws before connecting to the electrical outlet.

Procedure

1. Align the power board with the screw holes on the system board.
2. Tighten the screws that secure the power board to chassis.
3. Carefully cover the power board with mylar.
4. Connect the outlet power connector and tighten the two screws.
5. Connect the 19V 4Pin converter to 2Pin DC connector to system board.

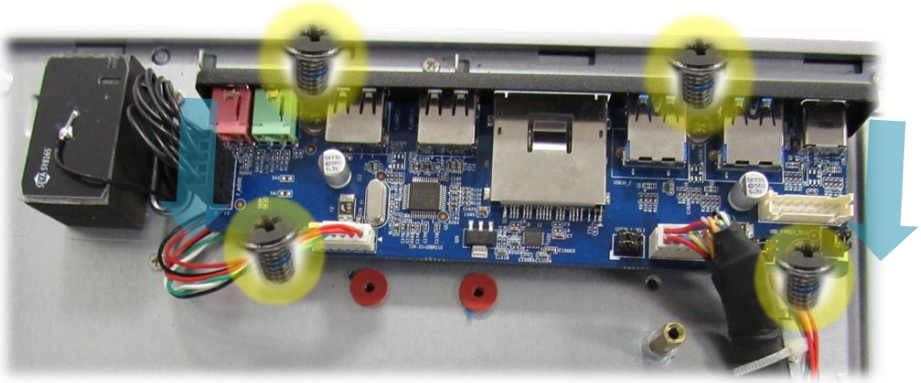


NOTE: Please ensure 4Pin converter to 2Pin DC cable is used, this cable should not be discarded. When replacing the power module transfer the 4pin to 2pin DC cable to new mower module.

16 Removing the USB and Audio PCBA

1. Locate the USB and Audio PCB board inside the chassis.
2. Remove the four screws that secure the PCB board to the computer base.
3. Gently disconnect the USB and Audio cables from the PCB board.
4. Gently slide the PCB board and lift it out from the computer base.

USB and Audio PCB for Omnino Pro (2019)



16.1 Replacing the USB and Audio PCBA board

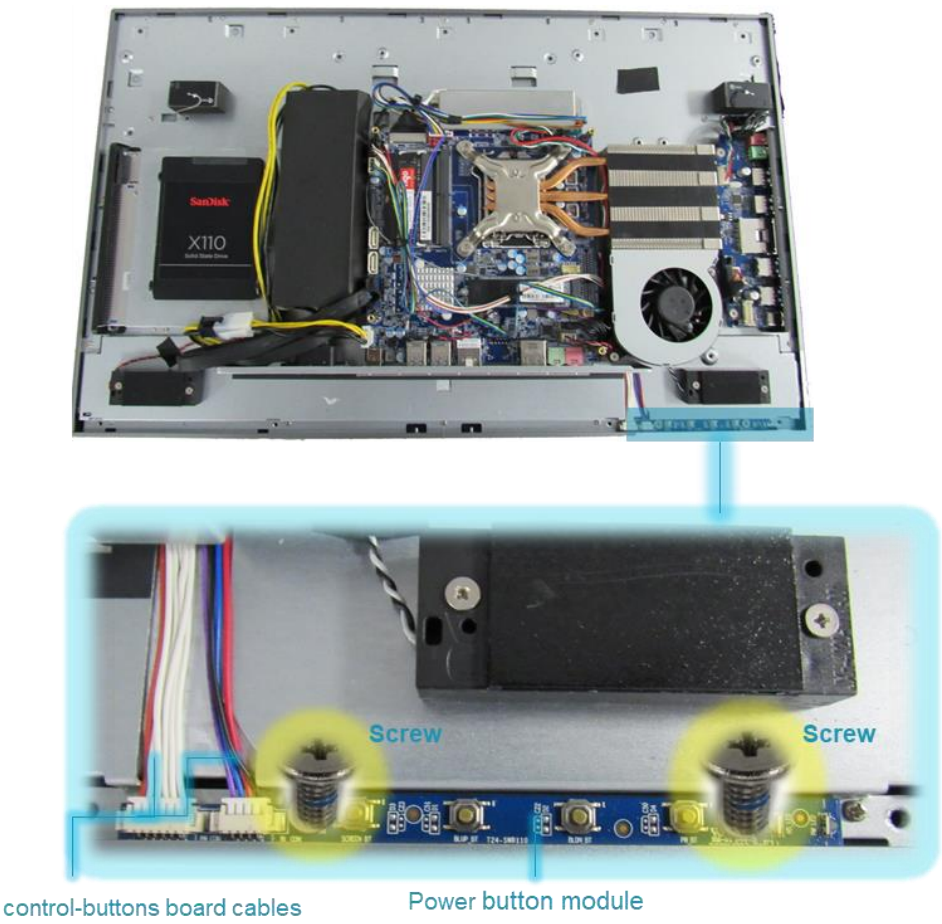
Procedure

1. Gently slide the PCBA board.
2. Align the PCB board with the screw holes on the system board.
3. Tighten the screws that secure the PCB board to chassis.
4. Reconnect all the cables.

17 Removing the power-button module

Procedure

1. Remove the two screw that secures the power-button module.
2. Gently lift the power button module out.
3. Disconnect the power-button and brightness control cable from control board.



17.1 Replacing the power-button module

Procedure

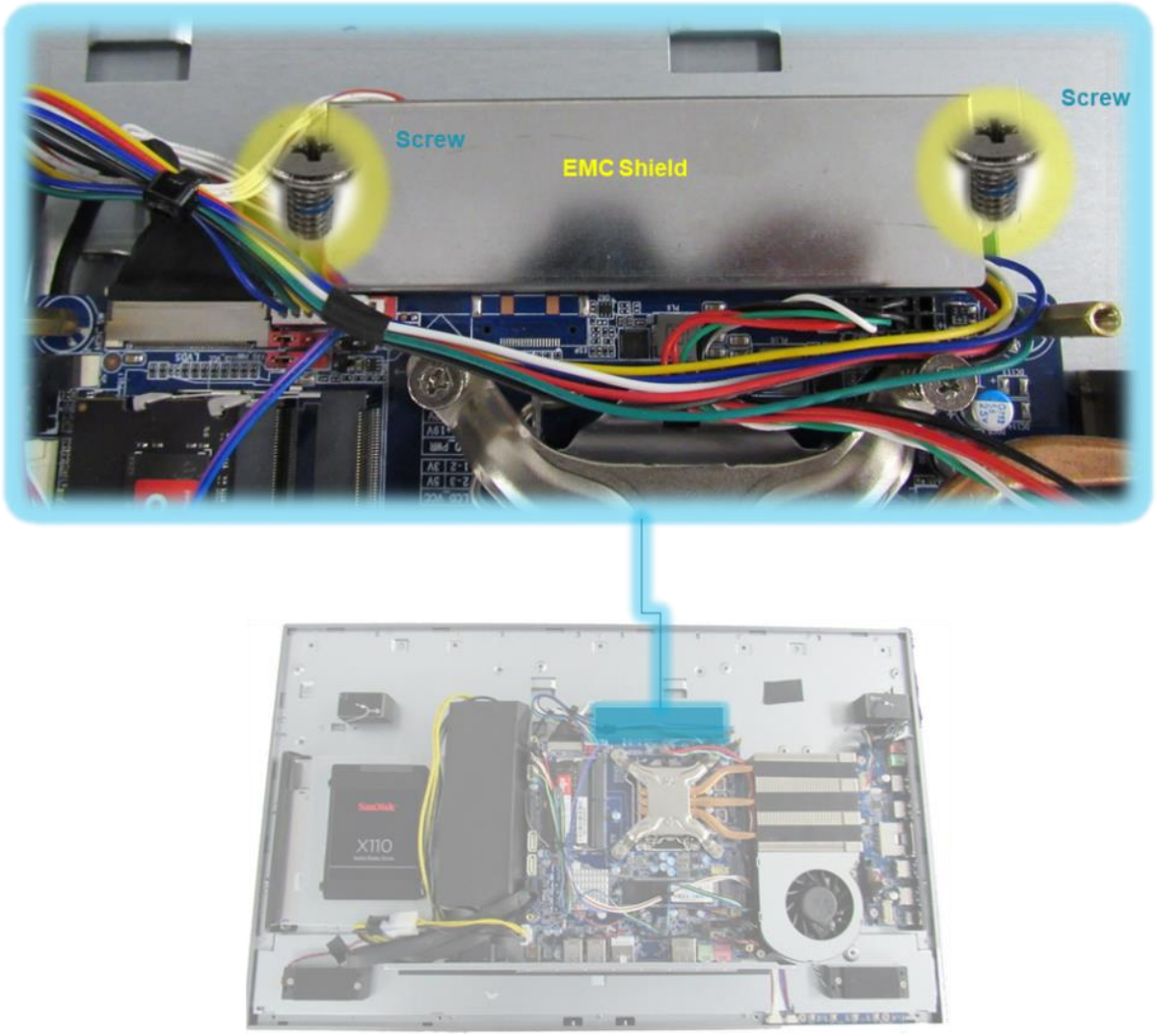
1. Connect the power-button cable to the control-button board.
2. Slide the power-button module into the slot on the display bezel.
3. Route the power-button module cable through its routing guide.
4. Replace the two screw that secures the power-button module.

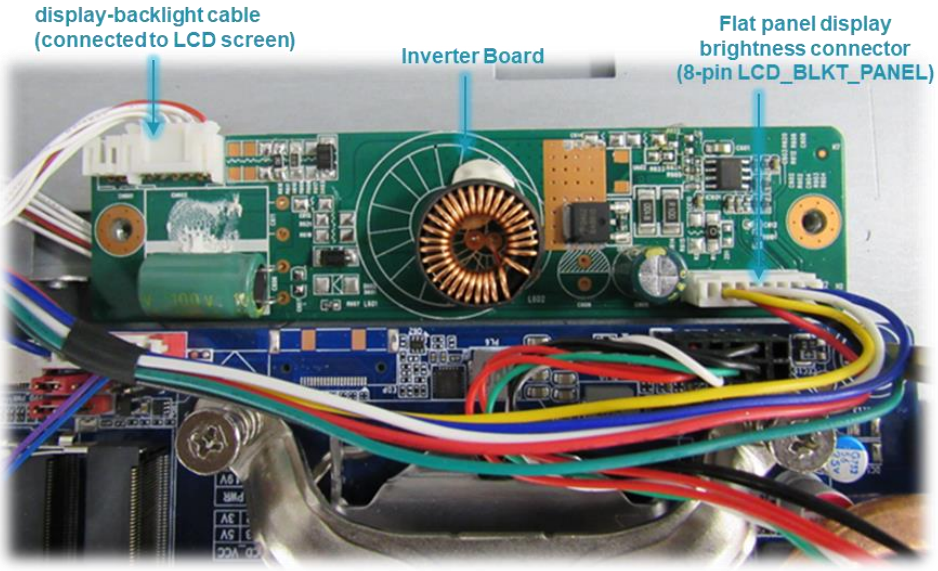
18 Removing the Inverter board

Procedure

1. Remove the two screw that secures the inverter board.
2. Gently lift the EMC shield off.
3. Gently disconnect the cables from the Inverter board.
4. Lift the inverter board off chassis.

NOTE: Note the orientation of the converter board so that you can replace it correctly.

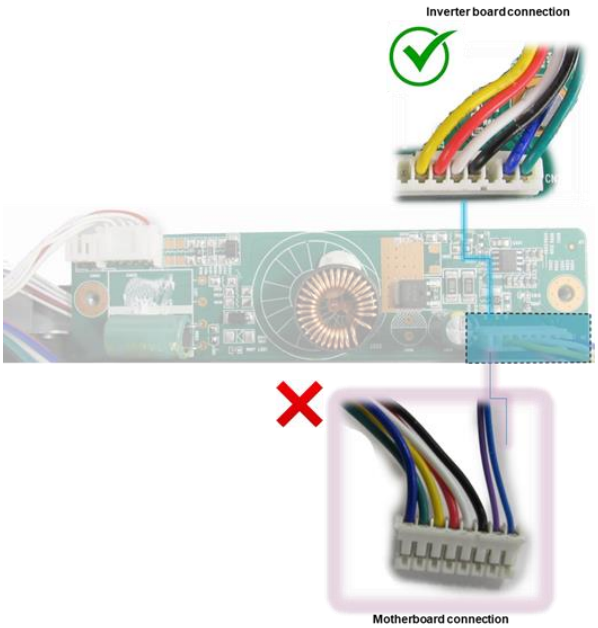


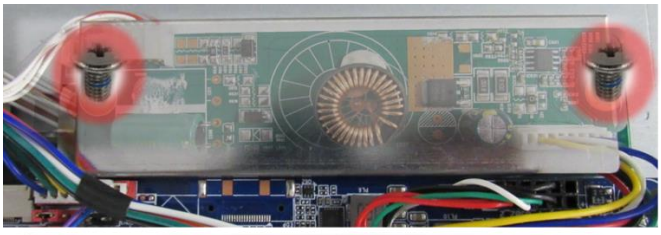


18.1 Replacing the Inverter board

1. Align the screw holes on the inverter board with the screw holes on the chassis.
2. Connect the display backlight cable to the Inverter board.
3. Connect the display brightness connector cable to the inverter board.
4. Replace the Inverter board EMC shield.
5. Replace the screws that secure EMC shield and Inverter board to the chassis.

NOTE: Ensure that LCD display brightness panel cable is connected correctly on the inverter board.

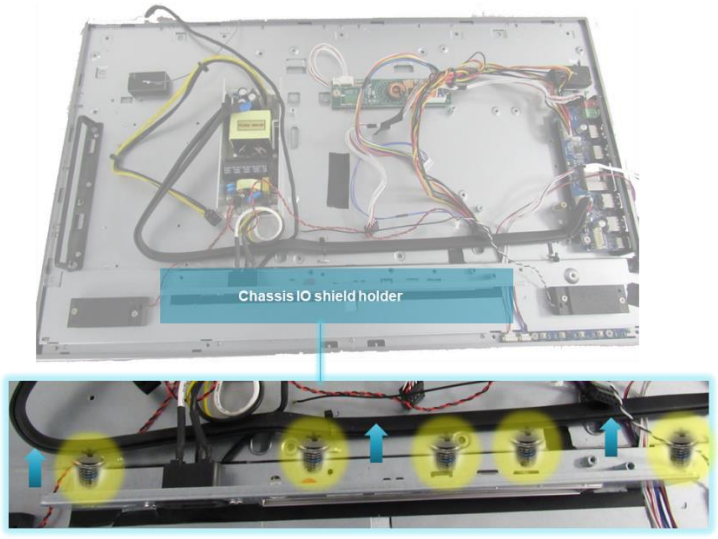


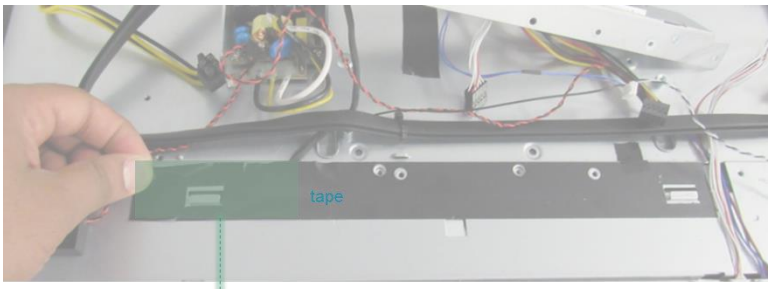


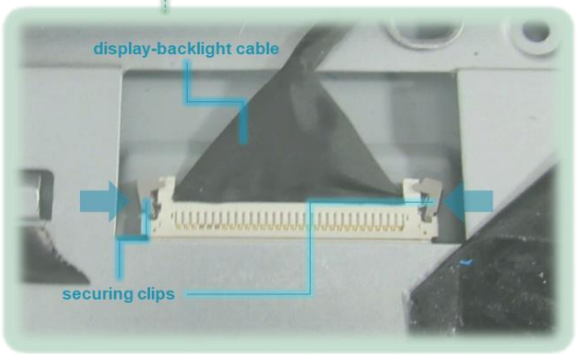
19 Removing Display Back Light Cable

Procedure

1. Remove the screws that secures the chassis IO shield.
2. Gently push the IO shield holder in the direction of the arrow.
3. Peel off the tape from the chassis
4. Press the securing clips and disconnect display-backlight cable from the display panel.







19.1 Replacing the Display Back light Cable

1. Place the display panel on a flat and clean surface.
2. Adhere the cable on the display panel.
3. Slide the cables into the connectors on the display panel.

NOTE: Ensure that no cables are placed under the display panel.

4. Secure the IO shield holder by sliding in and aligning with the screw holes.
5. Secure the IO shield holder with screws.

20 Removing Web Cam module

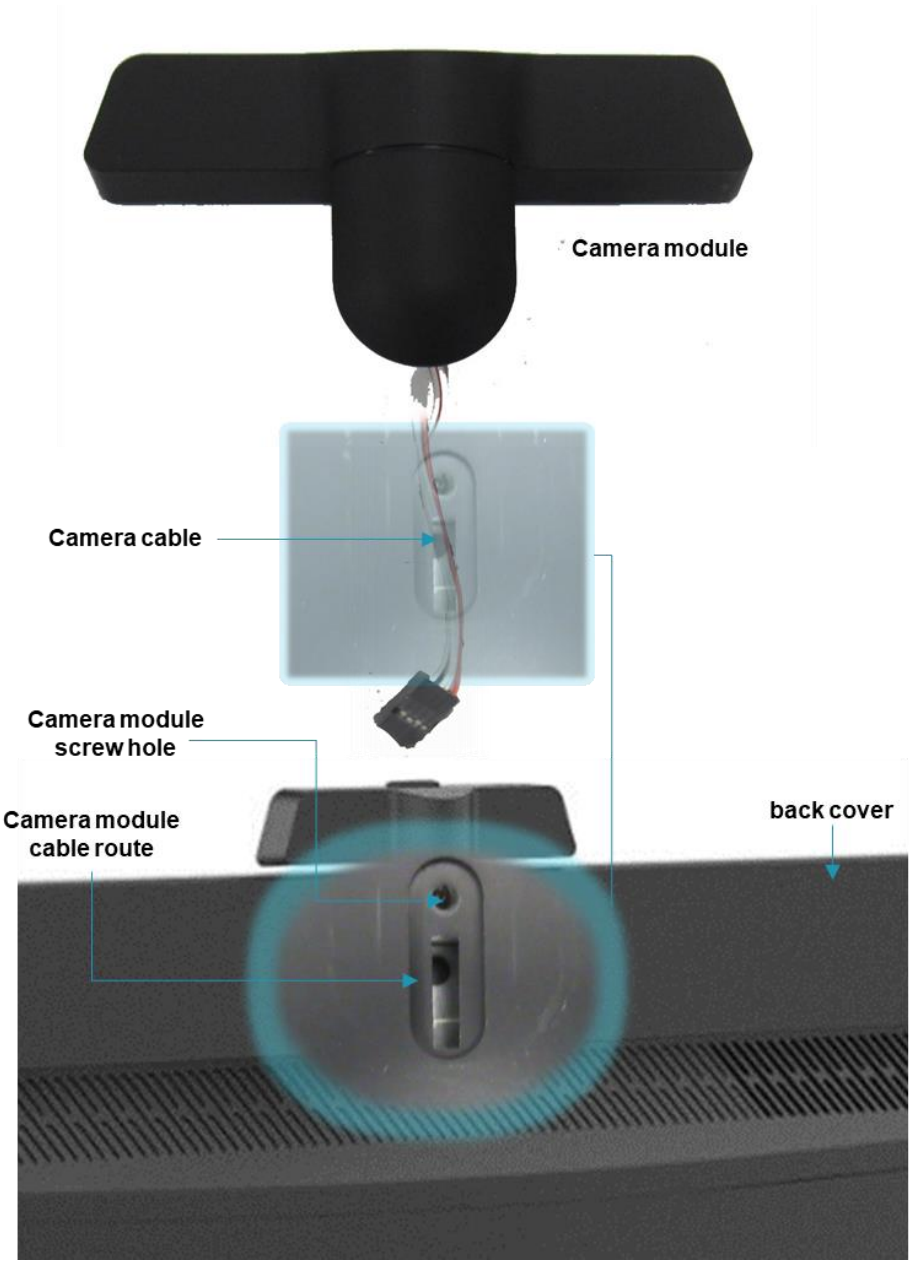
Procedure

1. Disconnect the camera cable from motherboard.
2. Peel off the tape from the camera cable.
3. Remove the screws that secure the camera assembly to the rear cover.
4. Carefully lift the camera assembly from the rear cover.

NOTE: Note the orientation of the camera assembly so that you can replace it correctly.

20.1 Replacing the Web Cam module

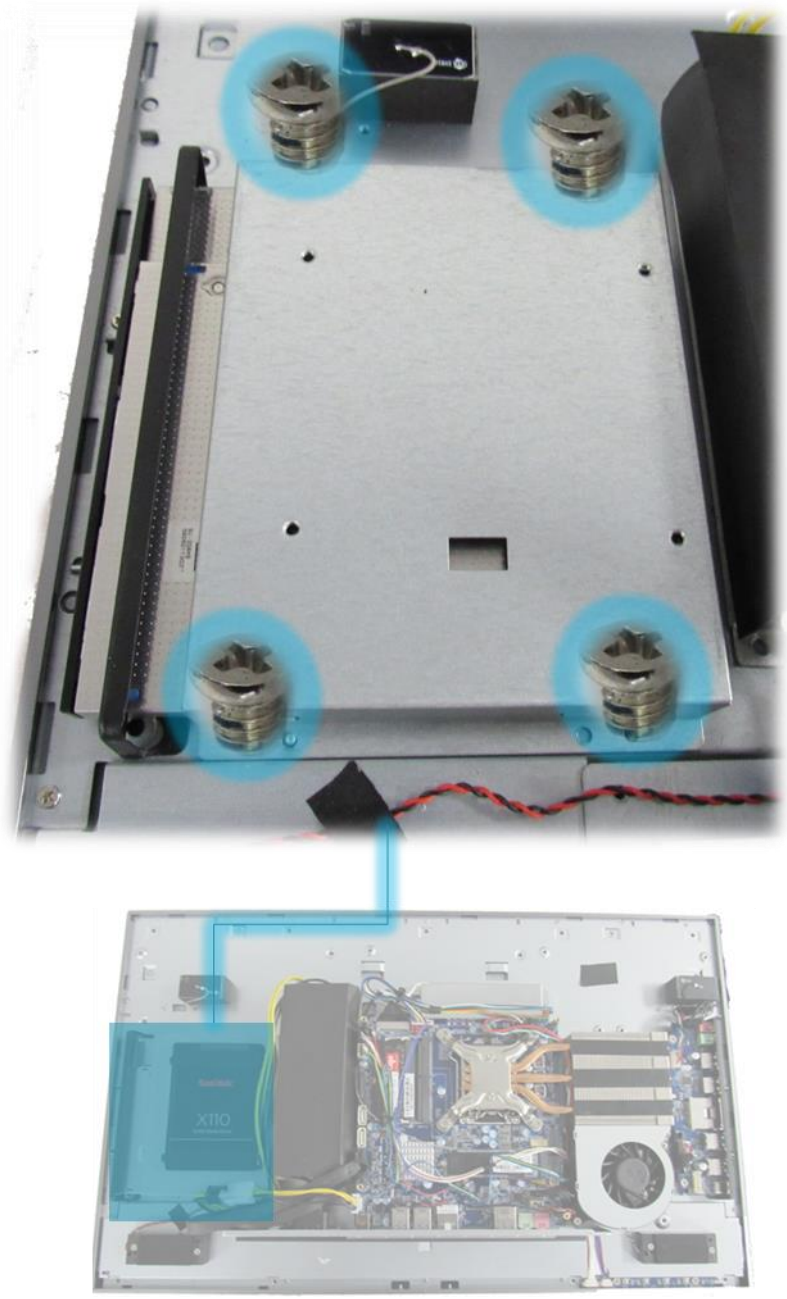
1. Route the camera module cable through the rear cover.
2. Align the notch on the camera module with the rear cover.
3. Replace the screws that secure the camera assembly to the rear cover.
4. Adhere the foil over the camera assembly.



21 Removing the Optical Drive from the computer

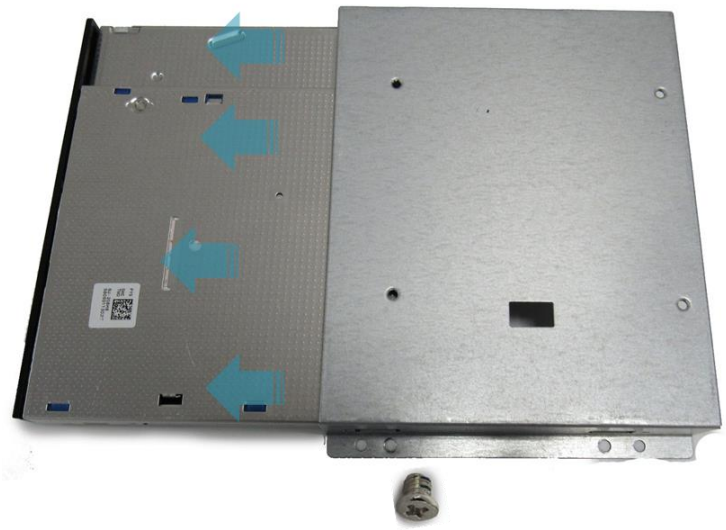
Procedure

1. Disconnect HDD/ODD cable from the system board.
2. Remove the screws that secure the Optical drive assembly to the computer base.
3. Lift the optical drive assembly off the computer base.
4. Replace the Optical drive blanking plate computer base.



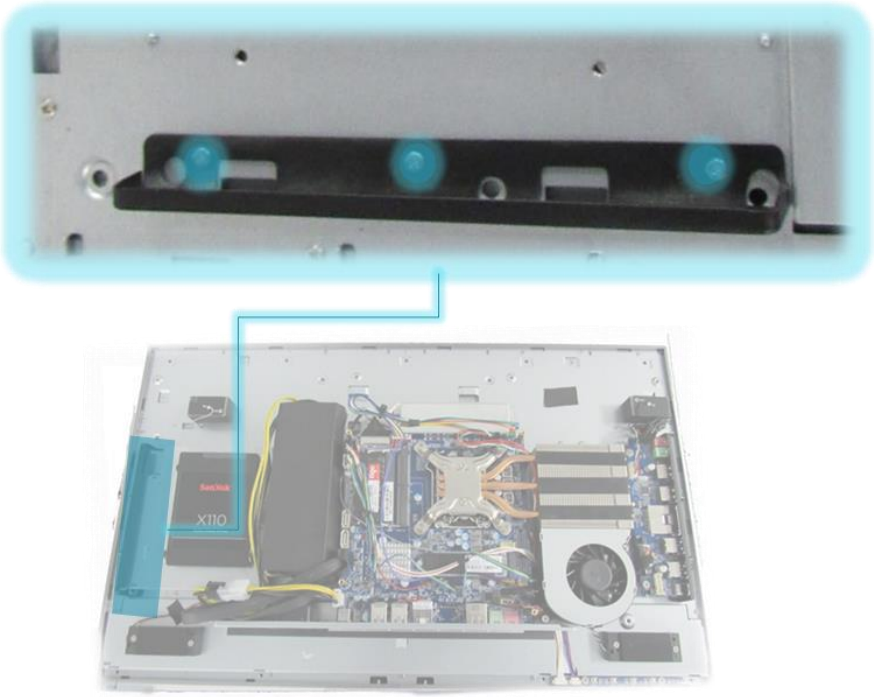
21.1 Removing the Optical Drive from the assembly

1. Remove the screws that secure the optical drive bracket to the optical drive.
2. Gently pull the optical drive out.



21.2 Removing the Optical drive blanking plate

1. Remove the screws that secure the optical drive plate.
2. Reinstall new blanking optical drive plate.



22 Removing 2.5’ hard disk drive

Procedure

Disconnect all cables from system board and hard disk drive.

1. Remove the screws that secure the hard-drive assembly to the optical drive base.
2. Lift the hard-drive assembly off the optical drive base.
3. Remove the screws that secure the hard-drive bracket to the hard drive.
4. Lift the hard-drive bracket off the hard drive.

2.5” HDD/SSD Brackets

2.5” SSD

Screws (x4)

22.1 Installing 2.5” hard disk/SSD drive

Procedure

1. Place the hard drive in the hard-drive bracket.
2. Align the screw holes on the hard-drive bracket with the screw holes on the hard drive.
3. Replace the screws that secure the hard-drive bracket to the hard drive.
4. Align the assembled hard drive with bracket on the optical drive bracket.
5. Replace the screws that secure the hard-drive assembly to the optical drive assembly.
6. Connect data and SATA data and power cable to the system board.

Caution: Please note Ominio pro is configured with m.2 storage devise as standard. The optical drive kit and 2.5” brackets are optional.

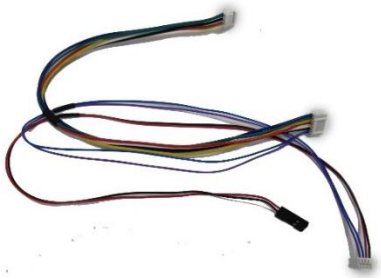
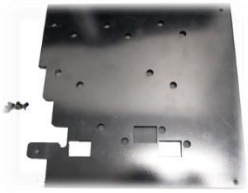
23 Spare Parts List Table

Part code	Description
BPC70231	Viglen Omnino Pro 23.8'' All-in-One PC
PPG0M701	150Watts Power Supply for Omnino Pro (2019)
PARP0701	USB and Audio PCB for Omnino Pro (2019)
PAFP0711	Inverter Board for Omnino Pro (2019)
PCPMA018	Mains Power cable
PAFNNPAK	Heat Sink for Omnino Pro (2019
PAFNNPAL	Heat Sink Fan for Omnino Pro (2019)
PAFP0700	Optical drive Blanking Plate for Omnino Pro (2019)
NDVDRX01	9.5mm DVD-Rewriter Drive (internal)
PAFP070K	Optical Drive Kit for Omnino Pro (2019) Optical Drive Kit Comprises: • PAFP0701 -Optical Drive Bezel (9.5mm) • Optical Drive Mounting Bracket • Optical Drive Power Cable
VPAM0701	Stand for Omnino Pro (2019) Stand Kit Comprises:
	• VPAM07V1 Stand Riser for Omnino Pro (2019) • VPAM07B1 Stand Base Plate for Omnino Pro (2019) • Cable Management Bracket • Base snap screw (quick release button lock)
E07SPL01	Security Pillar for Omnino Pro (2019)
ESEUSDP1	Viglen Security Padlock
ESEUSDP2	Viglen Security Padlock (keyed alike)
PCXSA061	SATA Optical drive cable for Omnino (2017)
PCXSATAK	SATA Power cable for Omnino (2017)
VPAM06H1	Height Adjust Stand for Viglen Omnino (2017) *
UARSAV10	4x VESA 14mm Long Screw for Height Adjust Stand *
PARCAM7K	Webcam Kit for Omnino Pro (2019)

23.1 Spare Parts list in detail (Part 1)

 BPC70231 Viglen Omnino Pro 23.8'' All-in-One PC	 PPG0M701- 150Watts Power Supply for Omnino Pro (2019)
 4Pin to 2Pin converter cable for DC	 PAFNNPAK -Heat Sink for Omnino Pro (2019
 VPAM0701 Stand for Omnino Pro (2019)	 VPAM06H1 Height Adjust Stand for Viglen Omnino (2017)
 E07SPL01 - Security Pillar for Omnino Pro (2019)	 ESPADL06 – 30mm Security Padlock
 PARCAM7K- Webcam Kit for Omnino Pro (2019)	 PAFNNPAL- Heat Sink Fan for Omnino Pro (2019)

23.2 Spare Parts list in detail (Part 2)

 PARP0701- USB and Audio PCB for Omnino Pro (2019)	 PAFP0711 – Inverter Board for Omnino Pro (2019)
 Power off screen cables	 PAFP070K Optical Drive Kit for Omnino Pro (2019)
 ODD cover（9.5mm) 15.6.99.0105011-571	 ODD Blanking cover (fully closed) 15.6.99.0106011-571
	Speaker assembly 3W 4Ω 61*23.5*13.6mm wire length 4PIN L: 120mm R: 430mm LEAD-FREE - 263
 Mainboard EMI metal shield	 Inverter board EMI metal shield
 Omnino Pro Back cover material ABS 536.8*326.4*46.7mm Black LEAD-FREE	 HDD bracket (SECC) T=0.8mm Natural colour 15.6.99.0035994-571

23.3 Spare Parts list in detail (Part 3)

 Speaker assembly 3W 4Ω 61*23.5*13.6mm wire length 4PIN L: 120mm R: 430mm LEAD-FREE - 263 15.2.08.0063991-D66	WIFI left Antenna (M.2) black  WIFI left Antenna (M.2) black L=400±5mm LEAD-FREE - 546(SY-W4PE8165B400C-L01) 15.3.02.2052011-546
WIFI right Antenna (M.2) Grey  WIFI right Antenna (M.2) Grey L=400±5mm LEAD-FREE - 546(SY-W4PE8165G400C-L01)	USB3.0 cable  USB 3.0 Cable Line length L=550±5mm LEAD-FREE- 15.3.09.0027991-D65

23.4 Screw details (Part 1)

Back cover (8)  M3.0*5.8(L)*6.0(P)*2.0(T)mm Phillips pan head 15.6.02.0042991-587	Front panel (5) – camera module (2)  PA2.0 (L) * 3.6 * 6.0 * 1.3 (P) (T) mm cross pan head
Hard disk (4), EMC shields (6), CPU fan*2, side I/O card*4,  M3.0*5(L)*6.3(P)*1.0(T)mm Cross flat head 15.6.02.0068991-587	CPU Fan (1)  Hexagon stud (CUP FAN) M3*13.0mm
Speaker (4)  M2.0*4(L)*5.0(P)*0.8(T)mm Cross flat head	Camera bracket*1  CB3.0*5.5(L)*6.0(P)*2.0(T)mm Cross countersunk head Self-tapping 15.6.02.0110991-587
Base fixing plate *4  Screw M4.0*5(L)*7.0(P)*2.3(T)mm Cross countersunk head Nickel plated + chrome resistant + hardened 14.2.03.0027997-587	Base fixing plate *4  Screw M4.0*6(L)*8.0(P)*1.5(T)mm 15.6.02.0063991-587

23.5 Screw details (Part 2)

ODD*2(Accessory kit)  Screw M2.0*2(L)*3.8(P)*0.9(T)mm LEAD-FREE - 587	System board EMC shield (4)  Hexagonal screw M3 * 25.0 mm LEAD 15.6.02.0155991-587
 **UARSAV10** 4x VESA 14mm Long Screw for Height Adjust Stand *	Screw for Quick release button (Base snap screw)  Screw PB3 * 8 (P) (L) * 5.5 * 2.0 mm (T) tail black zinc plated cross pan head triangle self-tapping dental LEAD - FREE – 587 15.6.02.0047991-587

24 Getting Support for your Viglen Product

For product support, customer services or other general enquiries, our team are ready to help. You can reach us below, Monday to Friday, 9am to 5.30pm.

Technical Support

If you have any queries concerning the following:

- Hardware configuration problems.
- You wish to return your hardware for repair or
- arrange a service visit (subject to contract).
- You have installation or set up difficulties.
- You require additional drivers.

01727 201 850
HardwareSupport@xma.co.uk

Customer Services

For enquiries relating to after-sales products and services:

- Parts missing or damaged from your Viglen PC order.
- Any complaint with a courier or delivery in general.
- You wish to return your Viglen PC for an upgrade.

0115 846 4656
customer.services@xma.co.uk

General Enquiries

For sales or any other general queries:

0115 846 4000
info@xma.co.uk

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Colney Street
St. Albans
Hertfordshire
AL2 2DQ
Visit us at www.xma.co.uk
Follow us @WeareXMA

Support Links

Serial Number Search:

https://shop.xma.co.uk/serial-number-search

Drivers for Omnino Pro are available from following link:

Omnino Pro

http://download.viglen.co.uk/files/Omnino_Series/

Motherboard

http://download.viglen.co.uk/files/Motherboards/