vibe

User Manual

Vibe interactive collaboration board

(Please Read this manual before operation)

More information, please visit

https://vibe.us/r/install

Safety Instructions

Safety precautions and maintenance

WARNING: Use of controls, adjustments or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards and/or mechanical hazards.

Read and follow these instructions when connecting and using your display:

Operation:

- Keep the display out of direct sunlight and away from stoves or any other heat sources.
- Remove any object that could fall into ventilation holes or prevent proper cooling of the display's electronics.
- Do not block the ventilation holes on the body of Vibe.
- When positioning the display, make sure the power plug and outlet are easily accessible.
- When turning off the display by detaching the power cord, wait 6 seconds before re-attaching the power cord for normal operation.
- Ensure the use of an approved power cord at all times. If your power cord is missing, please contact your local service center.
- Do not subject the display to strong vibration or high impact during operation.
- Avoid Dropping the display during operation or transportation.
- This apparatus is intended to be supported by a UL Listed Wall Mount Bracket" or equivalent.

Maintenance:

- To protect your display from possible damage, do not put excessive pressure on the LCD panel. When moving your display, hold the frame to lift; do not lift the display by placing your hand or fingers on the LCD panel.
- Unplug the display if you are not going to use it for an extensive period of time.
- Unplug the display 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 display.
- To avoid the risk of shock or permanent damage to the hardware, do not expose the display to dust, rain, water or an excessively moist environment.
- If your display becomes wet, wipe it with dry cloth as soon as possible.
- If a foreign substance or water gets in your display, turn the power off immediately and disconnect the power cord. Then remove the foreign substance or water, and send the unit to the maintenance center.
- Do not store or use the display in locations exposed to heat, direct sunlight or extreme cold.
- In order to maintain the best performance of your display and ensure a longer lifetime, we strongly recommend using the display in a location within the following temperature and humidity ranges.
  - Temperature: 0-40°C 32-104°F
  - Humidity: 20-80% RH

IMPORTANT: Always activate a moving screen saver program when you leave your display unattended. Always activate a periodic screen refresh application if the unit will display unchanging static content. Uninterrupted display of still or static images over an extended period may cause "burn in", also known as "after-imaging" or "ghost imaging", on your screen. This is a well-known phenomenon in LCD panel technology. In most cases, the "burned in" or "after-imaging" or "ghost imaging" will disappear gradually over a period of time after the power has been switched off.

WARNING: Severe "burn-in" or "after-image" or "ghost image" symptoms will not disappear and cannot be repaired. This is also not covered under the terms of your warranty.

Service:

- The casing cover should be opened only by qualified service personnel.
- If there is any need for repair or integration, please contact your local service center.

If your display does not operate normally, having followed the instructions in this document, please contact a technician or your local service center.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Read and follow these instructions when connecting and using your display:

Federal Communications Commission (FCC) Notice (U.S. Only)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Use only an RF shielded cable that was supplied with the display when connecting this display to a computer device.

To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or excessive moisture.

This device complies with 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.

End-of-Life Disposal

Your new Public Information Display contains materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and to minimize the amount to be disposed of.

Please find out about the local regulations on how to dispose of your old display from your local dealer.

(For customers in Canada and U.S.A.)

This product may contain lead and/or mercury. Dispose of in accordance to local-state and federal regulations. For additional information on recycling contact www.eia.org (Consumer Education Initiative)

Waste Electrical and Electronic Equipment-WEEE

Attention users in United States:

Please dispose of according to all Local, State and Federal Laws. For the disposal or recycling information, contact: www.mygreenelectronics.com or www.eiae.org.

End of Life Directives-Recycling

Your new Public Information Display contains several materials that can be recycled for new users.

Please dispose of according to all Local, State, and Federal laws.

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This User Manual applies to the Mode Numbers as below:

V55N201W

V55N201R

V55N********

The user interface is subject to change, Please refer to the actual machine for user interactions.

1. Unpacking and Installation

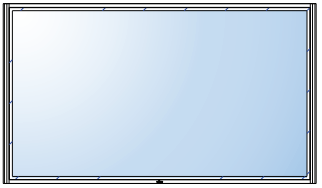
1.1. Unpacking

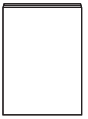
- This product is packed with the standard accessories.
- Any other optional accessories will be packed separately.
- Due to the size and weight of this display, it is recommended for two people to move it.
- After opening the box, please verify that all parts mentioned below are included and in good condition.

1.2. Package Contents

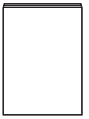
Please verify that you received the following items with your package:

- LCD display
- Power cord
- Stylus (2 pcs)
- Wiping Cloth
- Accessory Box
- User manual
- Warranty card



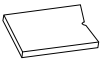


User manual



Warranty card

* The supplied power cord varies depending on destination.



Accessory Box

Wiping Cloth

Stylus (2pcs)

Power Cord

NOTES:

- For all other regions, apply a power cord that conforms to the AC voltage of the power outlet that complies with the safety regulations of the particular country.

1.3. Installation Notes

- Due to the high power consumption, always use the plug exclusively designed for this product. If an extended line is required, please consult your service agent.
- The product should be installed on a flat surface to avoid tipping. The distance between the back of the product and the wall should be maintained for proper ventilation. Avoid installing the product in the kitchen, bathroom or any other places with high humidity to avoid shortening the service life of the electronic components.
- The product can normally operate only under 5000m in altitude.

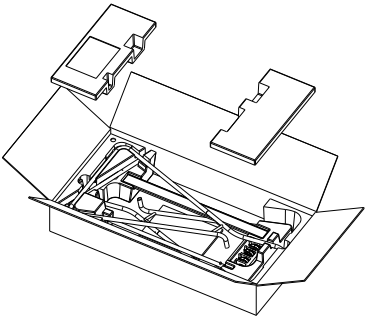
2. Stand Installation (Optional)

2.1. Vibe Assembly notes

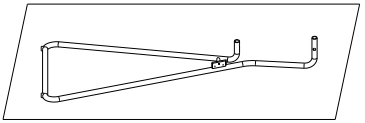
1. Caution: The Vibe board, and stand are heavy and require a minimum of two people to install. Use caution when lifting them.
2. If screws are found missing or loose, please contact professional repair services or contact Vibe customer service.
3. Caution: If you choose a third-party wall mount,The wall mount chosen should be able to support 120 lbs plus the self weight of the mount.
4. Avoid high temperature, explosive gas and strong electromagnetic interference during installation.
5. Keep the product away from direct sunlight.
6. To reduce the risk of fire or electrical shock, do not expose this product to rain, moisture or other liquids. Do not touch the board with wet hands. Do not install this product near flammable objects such as gasoline or candles, or expose the board to direct air conditioning.
7. Make sure all screws are secured properly to avoid board falling down.
8. Please carefully read the installation manual, and follow the instructions. Vibe is not liable to injuries caused by improperly following the manual.
9. Please contact us directly if you have any questions when reading the manual.

2.2. Installing the Stand

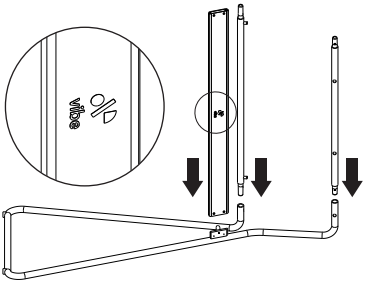
Step 1



1. Open the stand package.

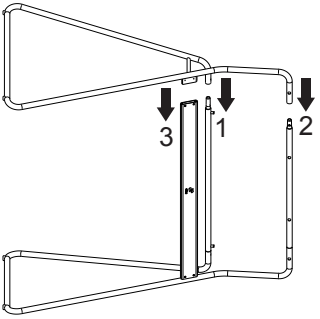


2. Spread the protective sheet in the package on the flat ground and put on the stand.



3. Install the three parts in the middle.

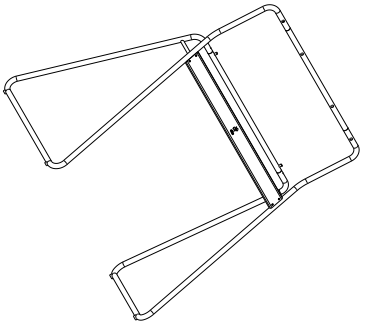
Note: Pay attention to the direction of the logo and long/short poles with matching R/L marks.



4. Install the stand on the other side refer to graphic order.

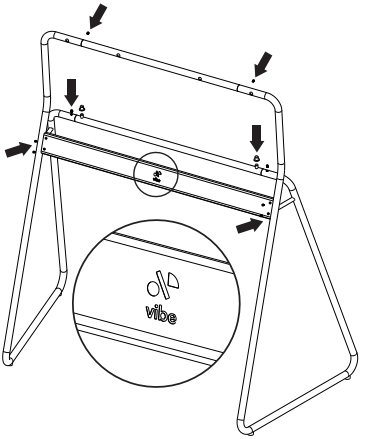
Note: Pay attention to the installation order.

Step 2



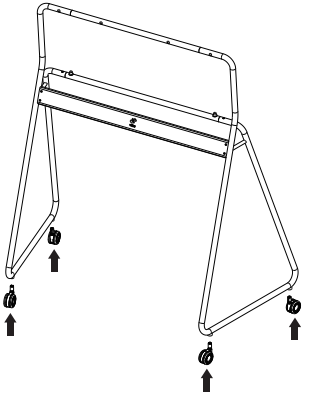
1. Make the stand standing.

Note: Ensure to hold the both sides to prevent apart.



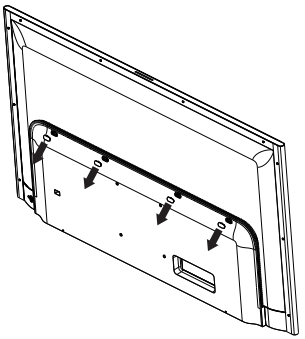
2. Ensure the direction and position of logo are consistent with figure above. Rotate the tube to expose the screw holes then install the screws and rubber caps.

Note: Tighten each screw half way first, and then tighten all the screws after.

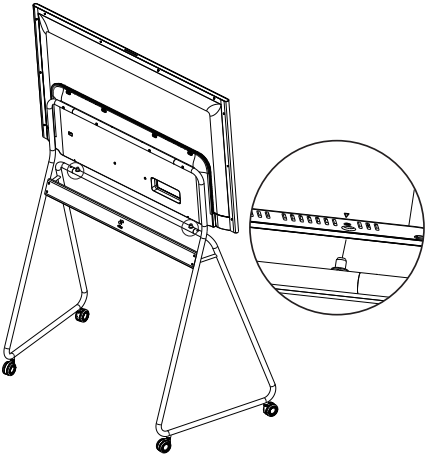


3. Insert the four wheels.

Step 3

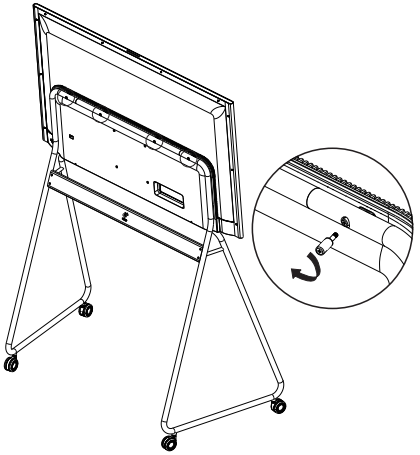


1. Remove the rubber plug from the back cover.



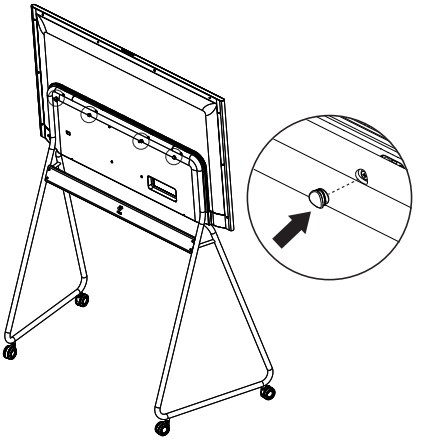
2. Insert the side hole of the display into the stand positioning column.

Note: User can refer to the triangle symbol on the back cover for the position of the hole.



3. Lock the display with 4 screws.

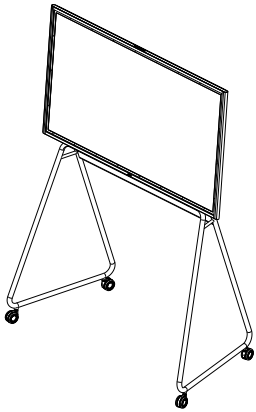
Note: When locking the screws, ensure to hold the display to avoid the display dumping.



4. Install the rubber plug.

Note: Pay attention to the direction of the rubber plug.

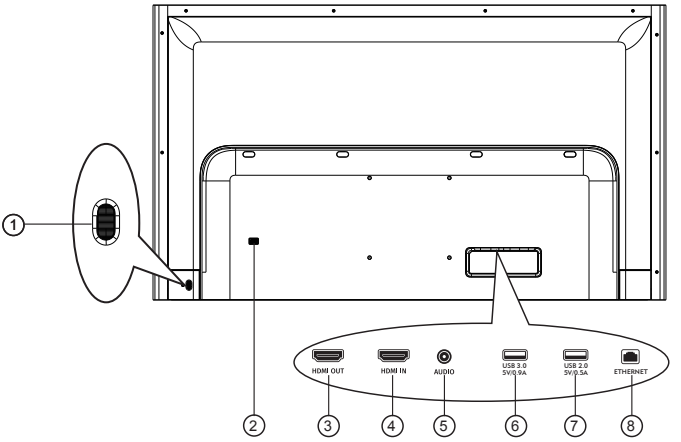
Step 4



Complete installatiom.

Parts and Functions

2.3. Input/Output



① **MAIN POWER SWITCH**

Switch the main power on/off.

② **AC IN**

AC power input from the wall outlet.

③ **HDMI OUT**

HDMI video/audio output.

④ **HDMI IN**

HDMI video/audio intput.

⑤ **AUDIO**

Audio output

⑥ **USB 3.0**

Connect your USB storage device.

⑦ **USB 2.0**

Connect your USB storage device.

⑧ **ETHERNET**

Connect the ethernet.

3. Touch Control

Vibe is equipped with an infrared touch display and can be operated by fingetips or Vibe stylus. The following descriptions illustrate typical operations. More Vibe software manuals and guides can be found at https://vibe.us/guide.

3.1. Draw&Erase with Vibe stylus

Write or draw

Select a pen tool and use the stylus to write of draw.

Erase

Select the eraser tool and use the stylus to erase markers on screen.

3.2. Canvas Operation by fingertips

Pan the canvas

Use one fingetip and touch the blank area on the screen without losing direct contact to move the canvas.

Pinch to Zoom

Move one's finger and thumb apat or bring them together on (a touchscreen) in order to zoom into or out of canvas.

3.3. Other Operations

The following operations can be done either with fingetip or Vibe stylus.

Choose a tool or select an option

Touch the target on the screen for one quick tap then release.

Select an object

Touch and hold the target (e.g., an image or a Post-it) on the screen for a while to make the target on selection.

Move an object

Touch the selected target and move across the target without losing direct contact, then release when reaching a new location.

Note: Avoid scratching with sharp object on the touch-display. Only fingetips and Vibe stylus are following for touch control.

4. Pixel Defect Policy

We strive to deliver the highest quality products and use some of the industry's most advanced manufacturing processes whilst practicing stringent quality control. However, pixel or sub-pixel defects on the PDP / TFT panels used in Plasma- & LCD- displays are sometimes unavoidable. No manufacturer can guarantee that all panels will be free from pixel defects, but guarantees that any Plasma- & LCD- displays with an unacceptable number of defects will be repaired during the warranty period in line with your local warranty.

This notice explains the different types of pixel defects and defines the acceptable defect level for the LCD screen. In order to qualify for repair under warranty, the number of pixel defects must exceed a certain level as shown in the reference table. If the LCD screen is within specification a warranty exchange / claim back will be refused.

4.1. Pixels and Subpixels

A pixel, or picture element, is composed of three sub-pixels in the primary colors of red, green and blue. Many pixels together form an image. When all sub-pixels of a pixel are lit, the three colored sub-pixels together appear as a single white pixel. When all are dark, the three colored sub-pixels together appear as a single black pixel. Other combinations of lit and dark sub-pixels appear as single pixels of other colors.

4.2. Types of Pixel Defects + Dot Definition

Pixel and sub-pixel defects appear on the screen in different ways. There are three categories of pixel defects and several types of sub-pixel defects within each category.

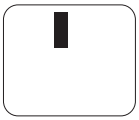
Dot definition = What is a defective "Dot"?

One or more defective, adjacent sub-pixel are defined as one "dot". The number of defective sub-pixels are not relevant to define a defective dot. This means that a defective dot can consist of one, two or three defective sub-pixels which can be dark or lit.

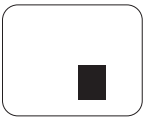
One dot = One Pixel; consists of three sub-pixels of Red, Green, and Blue.

4.3. Dark Dot Defects

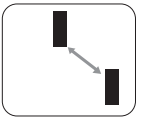
Black dot defects appear as pixels or sub-pixels that are always dark or "off." These are the examples of black dot defects:



One dark dot



Two adjacent dark dots = 1 pair of dark dots



Two dark dots, specifcations defnes the minimum distance between dark dots

4.4. Proximity of Pixel Defects

Because pixel and sub-pixels defects of the same type that are nearby one another may be more noticeable, specifies tolerances for the proximity of pixel defects. In the table below you can find specifications about:

- Allowed amount of adjacent dark dots = (adjacent dark dots = 1 pair of dark dots)
- Minimum distance between dark dots
- Total number of all defective dots

4.5. Pixel Defect Tolerances

In order to qualify for repair due to pixel defects during the warranty period, a PDP / TFT panel in a Plasma / LCD-display must have pixel or sub-pixel defects exceeding the tolerances listed in the following table.

BRIGHT DOT EFFECT	ACCEPTABLE LEVEL
1 lit sub pixel	2
BLACK DOT EFFECT	ACCEPTABLE LEVEL
1 dark sub pixel	10
TOTAL DOT DEFECTS	12

4.6. MURA

Dark spots or patches may occasionally appear on some liquid crystal display (LCD) panels. This is known within the industry as Mura, which is a Japanese term for "unevenness." It is used to describe an irregular pattern or area in which uneven screen uniformity appears under certain conditions. Mura is a result of the deterioration of the liquid crystal alignment layer and is most commonly caused by long-term operation under high ambient temperatures. It is an industry- wide phenomenon and Mura is not repairable. It is also not covered by our warranty terms. Mura has been around since the introduction of LCD technology and with screens getting bigger and in operation 24/7, many displays are running in low light conditions. This all adds to the possibility of Mura affecting displays.

HOW TO SPOT MURA

There are many symptoms of Mura and also multiple causes. Several of these are listed below:

- Impurities or foreign particles in the crystal matrix
- Uneven distribution of LCD matrix during manufacturing
- Non-uniform luminance distribution of the backlight
- Panel assembly induced stress
- Flaws within the LCD cells
- Thermal induced stress - high temperature operation over long periods of time

HOW TO AVOID MURA

Although we can not guarantee the complete eradication of Mura every time, in general the appearance of Mura can be minimized by these methods:

- Lower the backlight brightness
- Use a screen saver
- Reduce the ambient temperature around the unit

5. Cleaning and Troubleshooting

5.1. Cleaning

Caution When Using the Display

- Do not bring your hands, face or objects close to the ventilation holes of the display. The top of the display is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries may occur if any body parts are brought too close. Placing any object near the top of the display could also result in heat related damage to the object as well as the display itself.
- Be sure to disconnect all cables before moving the display. Moving the display with its cables attached may damage the cables and thus cause fire or electric shock.
- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

Front Panel Cleaning Instructions

- The front of the display has been specially treated. Wipe the surface gently using only a cleaning cloth or a soft, lint-free cloth.
- If the surface becomes dirty, soak a soft, lint-free cloth in a mild detergent solution. Wring the cloth to remove excess liquid. Wipe the surface of the display to remove dirt. Then use a dry cloth of the same type to dry.
- Do not scratch or hit the surface of the panel with fingers or hard objects of any kind.
- Do not use volatile substances such as insert sprays, solvents and thinners.

Back Panel Cleaning Instructions

- If the cabinet becomes dirty, wipe the cabinet with a soft, dry cloth.
- If the cabinet is extremely dirty, soak a lint-free cloth in a mild detergent solution. Wring the cloth to remove as much moisture as possible. Wipe the cabinet. Use another dry cloth to wipe over until the surface is dry.
- Do not allow any water or detergent to come into contact with the surface of the display. If water or moisture gets inside the unit, operating problems, electrical and shock hazards may result.
- Do not scratch or hit the cabinet with fingers or hard objects of any kind.
- Do not use corrosive substances such as insert sprays, solvents and thinners on the cabinet.
- Do not place anything made from rubber or PVC near the cabinet for extended periods of time.

5.2. Troubleshooting

Symptom	Possible Cause	Remedy
No picture is displayed.	1. The power cord is disconnected 2. The power switch is not switched on 3. The display is in standby mode	1. Plug in the power cord 2. Make sure the power switch is on 3. Touch the display to exit standby
Interference on the display or audible noise.	Caused by surrounding electrical appliances or fluorescent lights.	Move the display to another location to see if the interference is reduced.
No sound is heard.	1. Volume is turned all the way down 2. Mute is turned on.	1. Press [+] or [-] button to hear sound. 2. Switch MUTE off
After-images can still be seen on the display after the display is turned off.	A still picture is displayed for an over extended period of time.	Do not allow a still image to be displayed for an extended period of time as this can cause a permanent after-image to remain on the display.

6. Technical Specifications

Picture and Display	**Specifications**
Diagonal screen size	55 inch
Optimum resolution	3840 (H) x 2160 (V) @ 60 Hz
Optimum frame rate	60 Hz
Brightness (typical)	300 cd/m²
Contrast ratio (typical)	1200 : 1
Pixel pitch	0.315 mm x 0.315mm
Aspect ratio	16 : 9
Color depth	16.7 M
Viewing angle	178 (H) / 178 (V)

General	**Specifications**
System on Chip	Rockchip 3399
CPU	Dual-core Cortex-A72 up to 1.8 GHz Quad-core Cortex-A53 up to 1.4 GHz
GPU	Mali-T860 GPU
RAM	4GB DDR3
Storage	32GB EMMC
Operating System	Android 7.1(Nougat)
Mains power	AC 100~240V, 50/60 Hz
Consumption (Typical)	≤ 170 W

Connectivity	
HDMI out (1080p)	USB 2.0
HDMI In (1080p & 720p)	USB 3.0
Ethernet (RJ 45)	WIFI

Operating conditions		**Specifications**
Temperature	Operational	0°C - 40°C
	Storage	-20°C - 60°C
Humidity	Operational	20% - 80%
	Storage	10% - 90%
Altitude	Operational	0 - 3,000 m
	Storage	0 - 9,000 m

Package	**Specifications**
Product size	1285.7(W) x 739.4(H) x 73.6(D) mm
Package size	1440(W) x 940(H) x 223(D) mm
Net weight	24.5 kg
Gross weight	30.85 kg
VESA mount	200 mm x 200 mm

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Vibe interactive collaboration board

Designed by Vibe Inc in Seattle US Made in China

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