Description

The tactile Display can be connected to a Tablet or a Smartphone and can fully display all the content from the screen. The usage of the home screen and apps are similar to a tablet. The touch sensitive surface allows input and control directly to the tablet. Thus; one can operate the tablet with its own touch or with the **touch** on the Hyperflat .The buttons and the cursor cross are additional inputs for navigation and direct actions. Graphic elements are shown in the tactile resolution. With gesture and/or the buttons, zoom and wipe actions are possible perform to explore the Screen. Text can be also shown in Braille letters. Apps for Braille input, **speech** output and input assistance are supported on the display.

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HYPERFLAT

Graphic and Braille Tablet Display for Visually Impaired Individuals

iOS

- **Tactile Area of 190x120mm**

- **10 point multitouch input**

- **Mobile**

- **Bluetooth**

- **Wireless**

- **Compatible with Android, iOS and Windows**

Technical features

The Display is build up with 76 by 48 piezo driven dots. This correlates by a dotspacing of 2,5 mm to an tactile area of 190 x 120 mm for graphic and braille output.

The tactile area is in addition multi touch sensitive. Gestures like zoom or wipe are possible as well as double click for starting apps etc.

10 separate Buttons and a Cursor cross allows fast and ergonomic working.

The unit can be connected via USB or Bluetooth with Andriod, Windows or iOs devices.

For easy and mobile use of the Hyperflat it is driven by a Lithium Ion Battery for a working time of about 8 hours.

Charging can be done over the USB Connector or for faster charging via a extra DC Connector.

Screenreader

With our controlling software called MVBD it is possible to connect the device with well known screenreaders like JAWS and NVDA. In this case the device acts like a braille line and shows the characters from the screenreader. You can control the screenreader with the device keys too.

The MVBD has also a TCP/IP interface. So it is possible to control the pins and getting key and touch data with own software. Over htis interface the device is usable from every other operating system e.g. Linux.

We have developed a mathematic software called HyperbrailleGeo. It shows documents from the famous software GeoGebra. Blind people can feel graphs, lines and intersections. To explore the drawing they can zoom and move it in real time.

Product Specifications

Tactile Area : 190 x 120 mm

Pin Resolution : 76 x 48 = 3648 dots

Dot spacing : 2,5 mm (International Standard)

Dot Stroke : 0.7 mm

Pin Tactile Force : >30cN

Operating Systems : Windows, Android, IOS

Interface : Bluetooth, USB

Dimensions : 26 x 17 x 4 cm (w x d x h)

Unit Weight : 2,3 kg

Power Supply : 3,7 V Lithium-Ion (4000 mAh)

Battery Life : 8 hours (depending on operation)

Construction : 10 point multi-touch sensor area

8 Buttons for Inputs

1 Cursor-Cross Button with Select Option

Delivery Package : Unit + Charger + Manual