**Display Dashboard on a Large Screen**

## Overview

With the right equipment and an hour or so of our time, getting dashboard on to office wall is relatively straightforward. In a nutshell, our recommended setup involves getting the following in place:

* One or more screens to display our dashboard(s) on
* A device that can display a web browser on a screen
* A wireless internet connection, accessible from where we plan to position screen(s)

## Selecting a screen

In our recommended setup we will require an HDMI port. LED or HD TV work well, as do PC monitors.

**Devices & their Features**

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| --- | --- | --- | --- |
|  | ASUS Chromebit | Chromecast | Raspberry Pi 3 |
| Overview | Chromebits plug directly into an HDMI port on TV and it’s a Chrome OS device. | Google chrome cast is small dongle that plugs into HDMI port and allows casting content running on your PC or mobile phone. | Single-board computer with wireless LAN and Bluetooth connectivity. |
| Output | HDMI | HDMI | HDMI |
| Processor | Rockchip RK3288-C Mali T764 quad-core GPU | Marvell Armada 1500 Mini Plus 88DE3006 SoC, 1.2GHz dual ARM Cortex-A7 processors | 1.2 GHZ quad-core ARM Cortex A53 (ARMv8 Instruction Set) |
| Storage | 16GB | 256MB flash | Pluggable SD Card |
| RAM | 2GB LPDDR3L | 512 MB | 1 GB LPDDR2-900 SDRAM |
| Network | Wireless LAN, Bluetooth dongle can be plugged | Wireless LAN | 10/100 MBPS Ethernet, 802.11n Wireless LAN, Bluetooth 4.0. |
| Ports and connectors | 1 HDMI, 1 USB | 1 HDMI, 1 Micro USB | 1 HDMI, 4 USB |
| Pros | * Portable * Can pair Bluetooth Mouse & Keyboard * Boot in under 10 seconds, including wireless connectivity and paired with your keyboard and mouse. * Not requires a dedicated PC or Mobile device to Stream content. * Can be used as a portable kiosk | * Content is streamed directly from the Internet * Chromecast is now supported by 4k * InExpensive * Capable to cast android device screen also. | * Microcomputer is useful for small businesses that run on a smaller budget. * Not required to purchase any special licenses * Can be connected wired Internet connection also. * Able to display images or play videos at 1080p |
| Cons | * Not for use for video games. * Can’t extend memory. | * Requires a dedicated device to stream content. * No central way to manage content for multiple screens or locations. * Not compatible With Blackberry or Windows Devices. * Requires a strong Wi-Fi connection. | * Lot of experiments should be done startup Raspbian OS. * Python or lower level programming knowledge is needed to setup. |
| Approx. Price | 85$ | 35$ - 40$ | 40$ - 60$ |

**Reference**

<https://skykit.com/best-practice/google-digital-signage/>

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<https://www.geckoboard.com/learn/tutorials/displaying-your-dashboard-on-a-large-screen/>