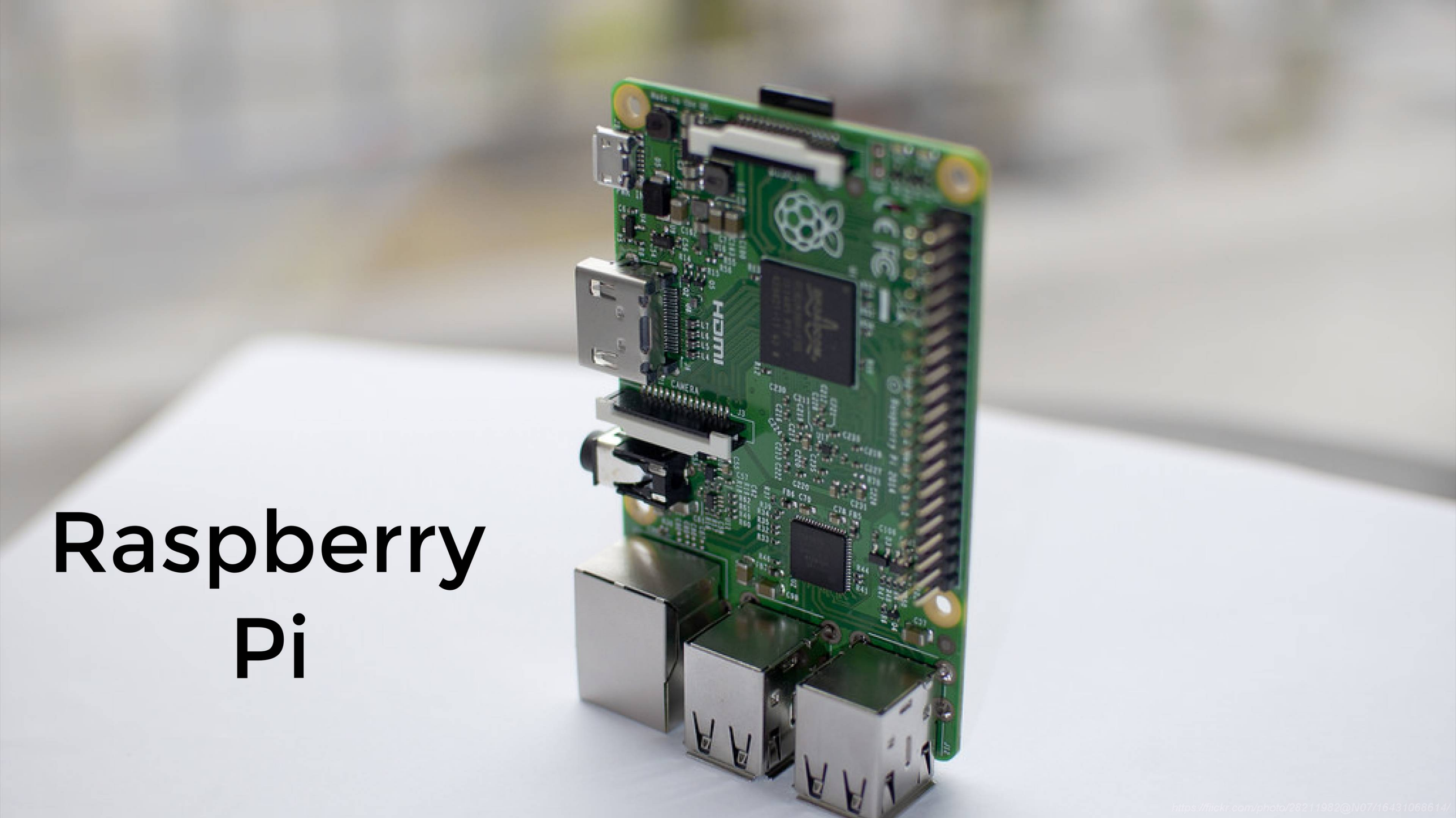
RetroPie Retro Gaming Console

Jason Klein

@JasnK

https://flickr.com/photo/85853333@N00/14367278241/

Raspberry Pi



Console Emulators

https://www.flickr.com/photos/133168498@N03/19283102613/

Console Games

Game Controllers

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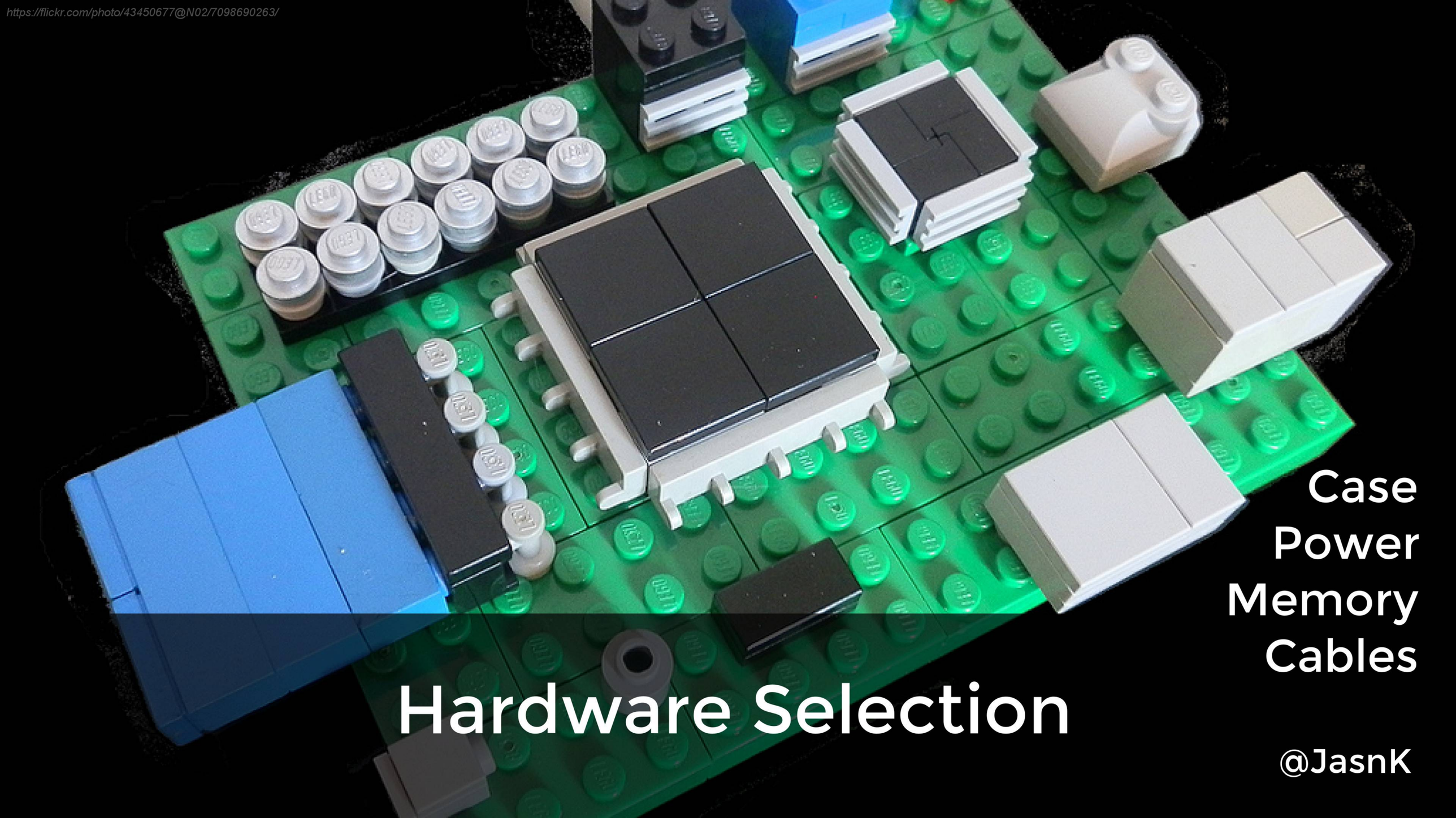

Hardware Selection

Case
Power
Memory
Cables

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Secure | https://smile.amazon.com/dp/B01CD5VC92

Raspberry Pi

Raspberry PI 3 Model B 1.2GHz 64-bit quad-core ARMv8 CPU, 1GB RAM

1,790 customer reviews | 286 answered questions

#1 Best Seller in Computer Motherboards

Price: $35.10 prime

Your cost could be $25.10: Qualified customers get a $10 bonus on their first reload of $100 or more.

Note: Available at a lower price from other sellers, potentially without free Prime shipping.

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Color: **Raspberry PI 3**

- 1.2GHz 64-bit quad-core ARMv8 CPU, 1GB RAM
- 802.11n Wireless LAN, 10/100Mbps Lan Speed
- Bluetooth 4.1, Bluetooth Low Energy
- 4 USB ports, 40 GPIO pins, Full HDMI port, Combined 3.5mm audio jack and composite video

Raspberry Pi 3 B/B+

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Secure | https://smile.amazon.com/dp/B00MARDJZ4

Click to open expanded view

CanaKit

CanaKit 5V 2.5A Raspberry Pi 3 Power Supply / Adapter / Charger (UL Listed)

4.5 out of 5 stars 988 customer reviews | 34 answered questions

#1 Best Seller in Computer Power Supplies

Price: $9.99 prime

Your cost could be $0.00: Qualified customers get a $10 bonus on their first reload of $100 or more.

In Stock.

Want it Friday, Oct. 20? Order within **12 hrs 16 mins** and choose **Two-Day Shipping** at checkout. Details

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- Tested with all versions of the Raspberry Pi including the Pi 2 and Pi 3
- UL Listed
- 5 Feet cord length
- Micro USB plug
- Output 5V DC 2.5A Regulated Input 100V to 240V AC

Compare with similar items

New (2) from $9.99 prime

Power

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Secure | https://smile.amazon.com/dp/B06XWN9Q99

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SAMSUNG

Samsung 32GB 95MB/s (U1) MicroSD EVO Select Memory Card with Adapter (MB-ME32GA/AM)

4.5 out of 5 stars ▾ 2,627 customer reviews | 436 answered questions

Price: $12.99 ✓prime

Your cost could be $2.99: Qualified customers get a $10 bonus on their first reload of $100 or more.

In Stock.

Want it Friday, Oct. 20? Order within **12 hrs 14 mins** and choose **Two-Day Shipping** at checkout. Details

Ships from and sold by Amazon.com. Gift-wrap available.

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Size: **32 GB**

32 GB | 64 GB | 128 GB | 256 GB

Style: **Card and Adapter Only**

Card and Adapter Only | Card w/ Reader Bundle

- Up to 95MB/s & 20MB/s read & write speeds respectively; Class 10 UHS-I
- High-performance for full HD video recording, high resolution pictures, mobile

Memory

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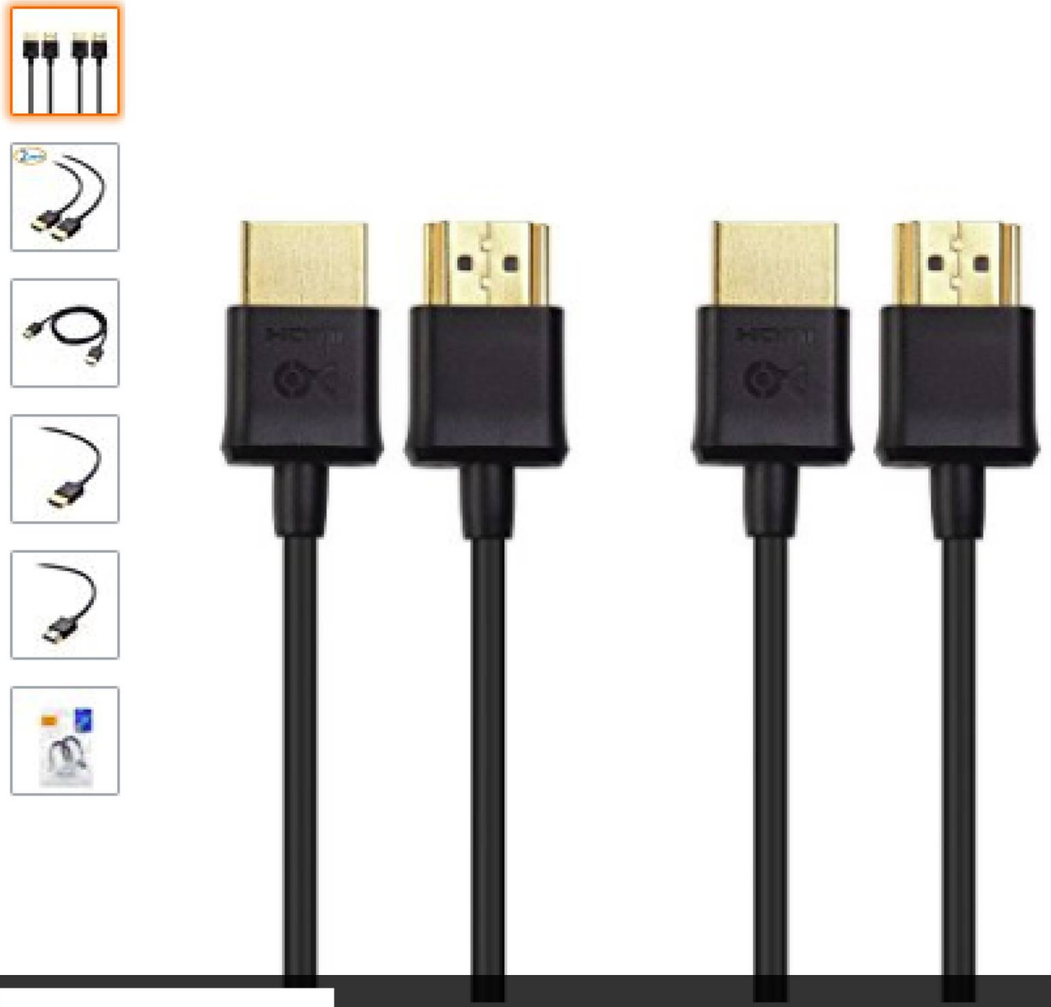
Secure | https://smile.amazon.com/dp/B00T58JH98



Cable Matters

Cable Matters (2-Pack) Ultra-Slim HDMI Cables 3D & 4K Rated with Ethernet – 3 Feet

4.5 stars ▾ 141 customer reviews | 15 answered questions

Price: ~~$21.99~~

Sale: $11.99 ✓prime

You Save: $10.00 (45%)

Your cost could be $1.99: Qualified customers get a $10 bonus on their first reload of $100 or more.

In Stock.

Want it Friday, Oct. 20? Order within **12 hrs 11 mins** and choose **Two-Day Shipping** at checkout. Details

Sold by Cable Matters and Fulfilled by Amazon. Gift-wrap available.

Eligible for amazonsmile donation.

Length: **3 Feet (2 Pack)**

3 Feet (2 Pack)	6 Feet (2 Pack)	10 Feet	15 Feet
$11.99 ✓prime	$13.99 ✓prime	$14.99 ✓prime	$15.99 ✓prime
25 Feet	50 Feet		
$22.99 ✓prime	$36.99 ✓prime		

Video Cable

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Secure | https://smile.amazon.com/dp/B01H8LD31Q

BIQU

BIQU Aluminum Raspberry Pi 3 Case Enclosure Box (Black)

4.4 out of 5 stars ▾ 10 customer reviews

Price: $11.98 ✓prime

Your cost could be $1.98: Qualified customers get a $10 bonus on their first reload of $100 or more.

In Stock.

Want it Friday, Oct. 20? Order within **12 hrs 24 mins** and choose **Two-Day Shipping** at checkout. Details

Sold by BIQU and Fulfilled by Amazon. Gift-wrap available.

Eligible for amazonsmile donation.

- The entire case molded made of high quality Aluminum material
- Structure is divided upper case and lower case with four screws (long screws attached to the upper and lower box 4), plus four non-slip wear pads
- Suitable for B +, PI2, PI3 motherboard installation, shell design with good heat dissipation, do not have to install the cooling fan or heat sink
- Under cartridge design aircraft wear pads and holes can be fixed on any wall, smooth surface and the buckle bit slot design is perfection
- [illegible]gn of the superstructure column, after the lid close contact with the chip, the chip heat dissipation from the work of distributing the cover the effective protection of the chip time constant work. Bottom box design cooling pad in contact with the chip, the chip work shed heat from the housing, the effective

Roll over image to zoom in

Case

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Secure | https://smile.amazon.com/dp/B0045JCFLY

ARCTIC

ARCTIC MX-4 Thermal Compound Paste, Carbon Based High Performance, Heatsink Paste, Thermal Compound CPU for All Coolers, Thermal Interface Material - 4 Grams

★★★★★ 1,399 customer reviews | 77 answered questions

#1 Best Seller in Heatsinks

Price: $7.85 prime

Your cost could be $0.00: Qualified customers get a $10 bonus on their first reload of $100 or more.

Only 11 left in stock - order soon.

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Sold by KW-TECH and Fulfilled by Amazon. Gift-wrap available.

Eligible for amazonsmile donation.

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Size: **MX-4 4g**

MX-2 30g
$17.48
prime

MX-2 65g

4 Pack (MX-2 8g)

MX-4 4g

Thermal Paste

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Secure | https://smile.amazon.com/dp/B002B9XB0E

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BUFFALO

Buffalo iBuffalo Classic USB Gamepad for PC

2,227 customer reviews | 156 answered questions

Amazon's Choice for "snes controller"

List Price: ~~$16.98~~

Price: $15.00 ✓prime

You Save: $1.98 (12%)

Your **$29.17** Amazon.com Gift Card balance can cover the cost of this item. Learn More.

Note: Available at a lower price from other sellers, potentially without free Prime shipping.

In Stock.

Want it Thursday, April 5? Order within **3 hrs 9 mins** and choose **Two-Day Shipping** at checkout. Details

Sold by Artist Shop and Fulfilled by Amazon. Gift-wrap available.

Eligible for amazonsmile donation.

- 8 Buttons
- for PC
- USB connector
- Support Windows 7/ME/2000/XP/Vista

Used & new (85) from $13.46 + $1.00 shipping

Game Controllers

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Device Assembly

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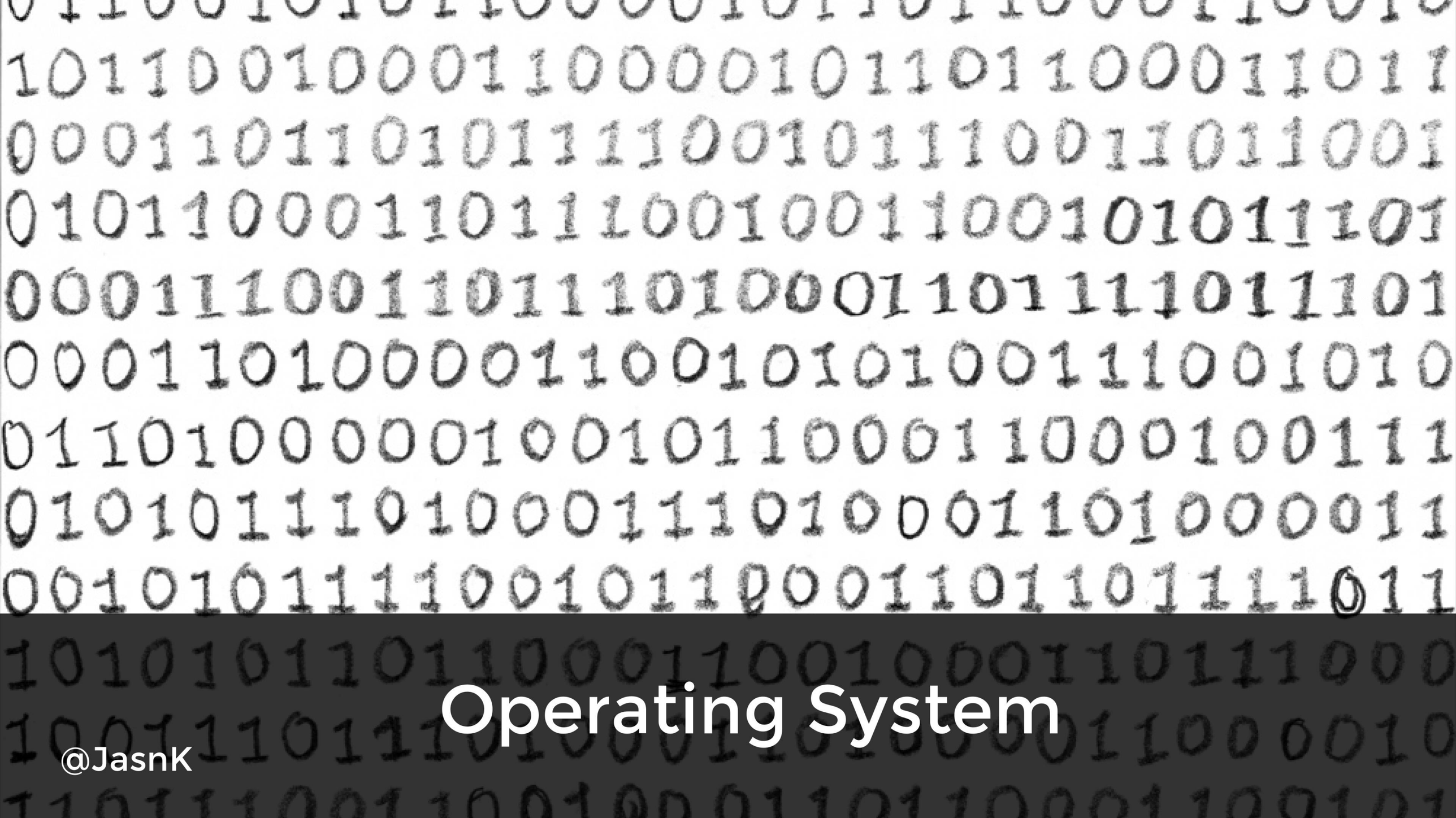

Operating System

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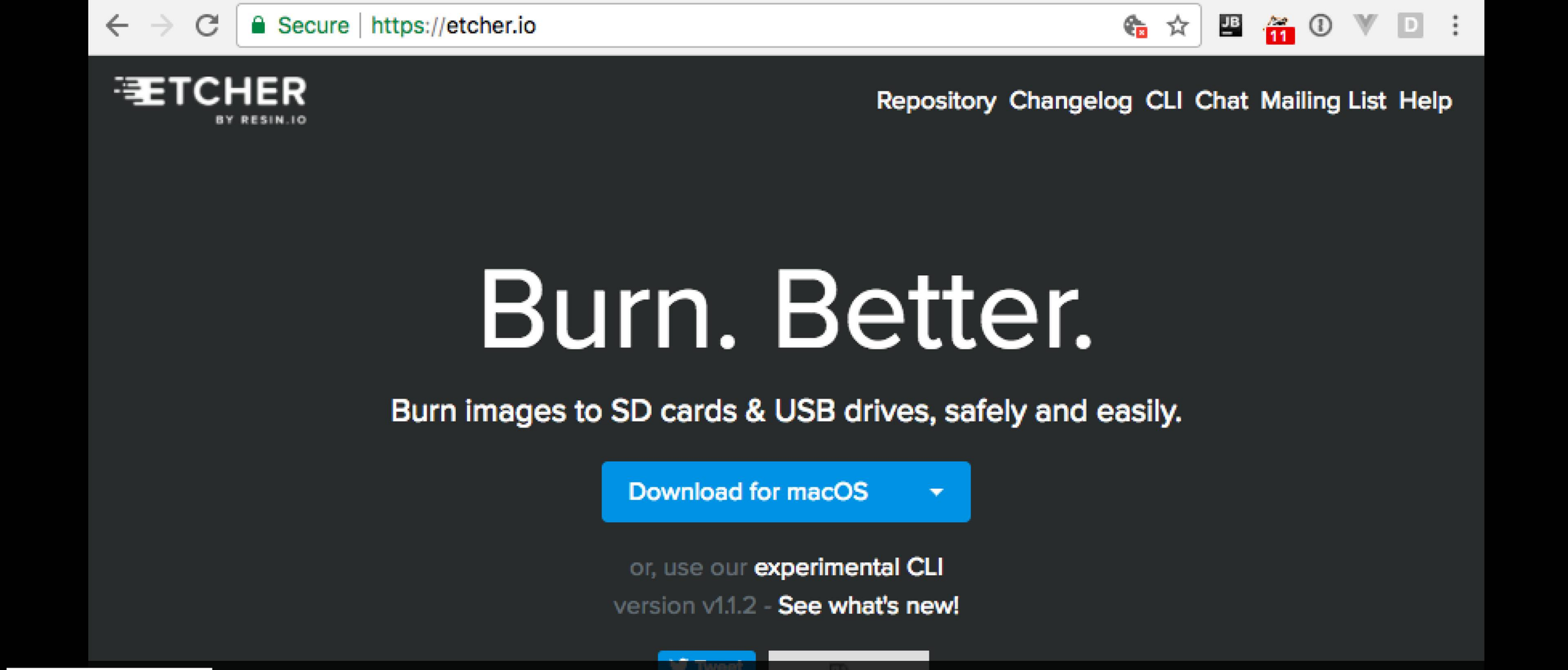

Etcher

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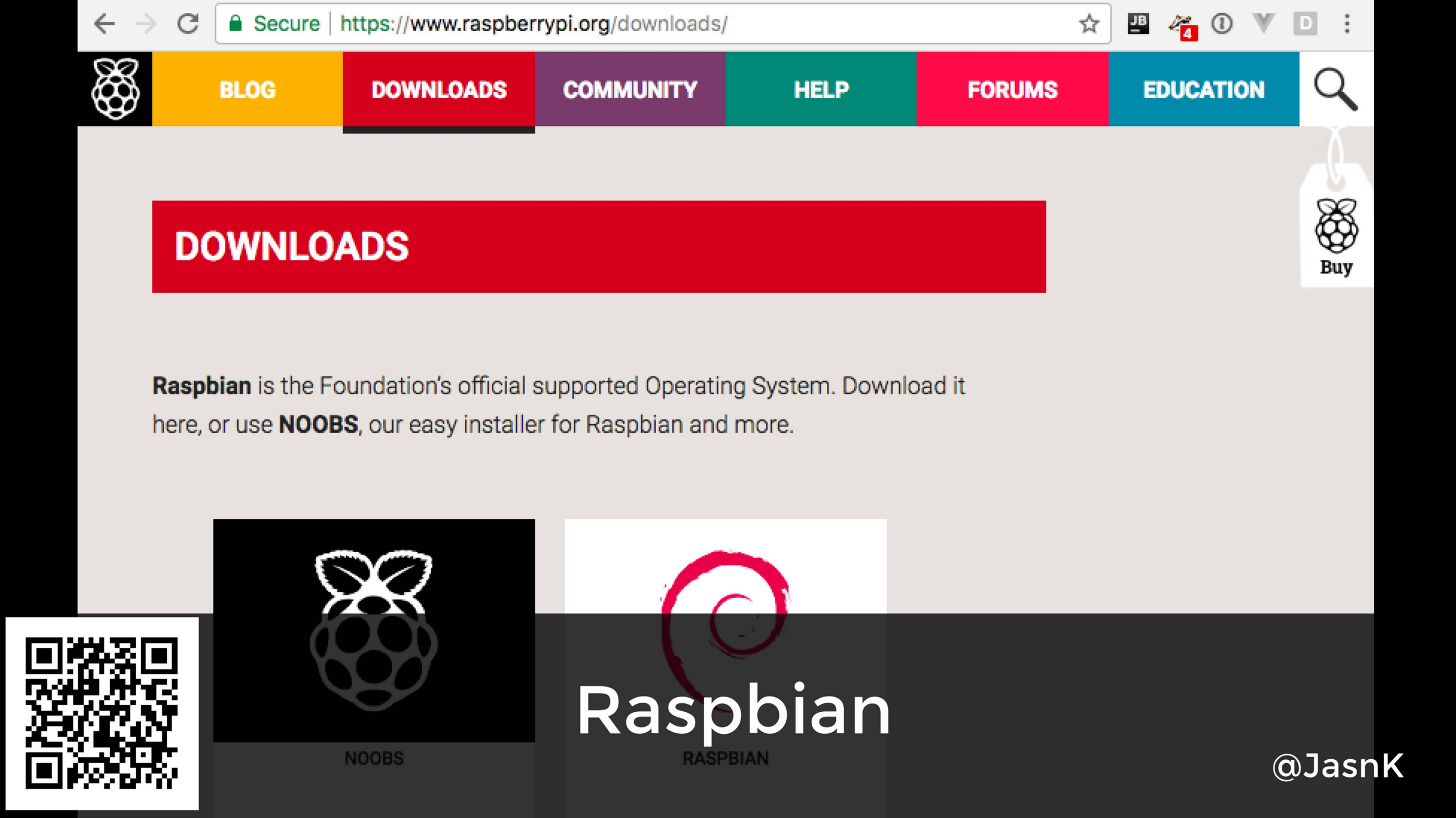
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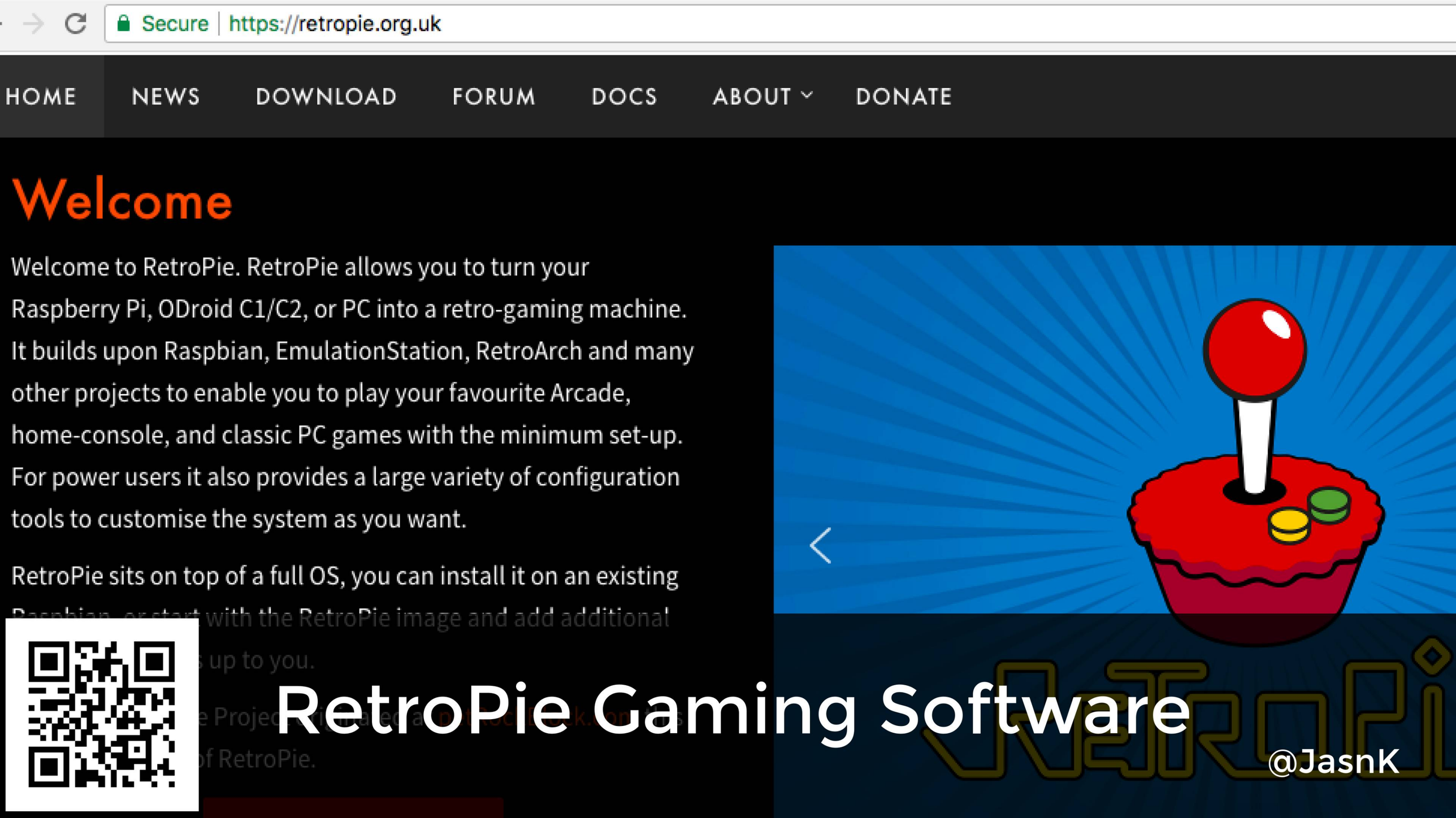
Secure | https://retropie.org.uk
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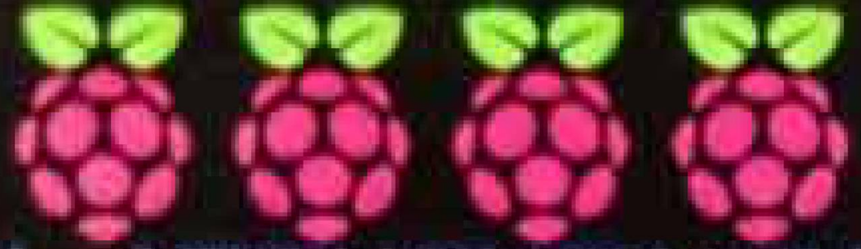
Welcome
Welcome to RetroPie. RetroPie allows you to turn your Raspberry Pi, ODroid C1/C2, or PC into a retro-gaming machine. It builds upon Raspbian, EmulationStation, RetroArch and many other projects to enable you to play your favourite Arcade, home-console, and classic PC games with the minimum set-up. For power users it also provides a large variety of configuration tools to customise the system as you want.
RetroPie sits on top of a full OS, you can install it on an existing
RetroPie Gaming Software
@JasnK



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[    3.2863971] [<801cf498>] (ext4_lookup) from [<8014c018>] (lookup_real+0x30/0x5c)
[    3.2972031] [<8014c018>] (lookup_real) from [<8014cbb8>] (__lookup_hash+0x44/0x4c)
[    3.3083551] [<8014cbb8>] (__lookup_hash) from [<8014ec38>] (lookup_slow+0x48/0xb4)
[    3.3194251] [<8014ec38>] (lookup_slow) from [<8014fb8c>] (path_lookupat+0x6e8/0x730)
[    3.3306781] [<8014fb8c>] (path_lookupat) from [<8014ff98>] (filename_lookup.isra.46+0x30/0x70)
[    3.3420181] [<8014ff98>] (filename_lookup.isra.46) from [<80152130>] (user_path_at_empty+0x64/0x8c)
[    3.3554081] [<80152130>] (user_path_at_empty) from [<8015217c>] (user_path_at+0x24/0x2c)
[    3.3670631] [<8015217c>] (user_path_at) from [<80141f18>] (SyS_faccessat+0xa0/0x148)
[    3.3781701] [<80141f18>] (SyS_faccessat) from [<80142078>] (SyS_access+0x28/0x2c)
[    3.3894331] [<80142078>] (SyS_access) from [<8000ebc0>] (ret_fast_syscall+0x0/0x48)
[    3.4006611] Code: e7934004 e3540000 0a00004c e5963014 (e794e003)
[    3.4103671] ---[ end trace dc0385eb0d5102c5 ]---
[    3.4135181] usb 1-1: New USB device found, idVendor=0424, idProduct=9514
[    3.4135251] usb 1-1: New USB device strings: Mfr=0, Product=0, SerialNumber=0
[    3.4141051] hub 1-1:1.0: USB hub found
[    3.4141781] hub 1-1:1.0: 5 ports detected
[    3.4545471] Kernel panic - not syncing: Attempted to kill init! exitcode=0x0000000b
```

Initial Boot and Configuration

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RetroPie Demonstration

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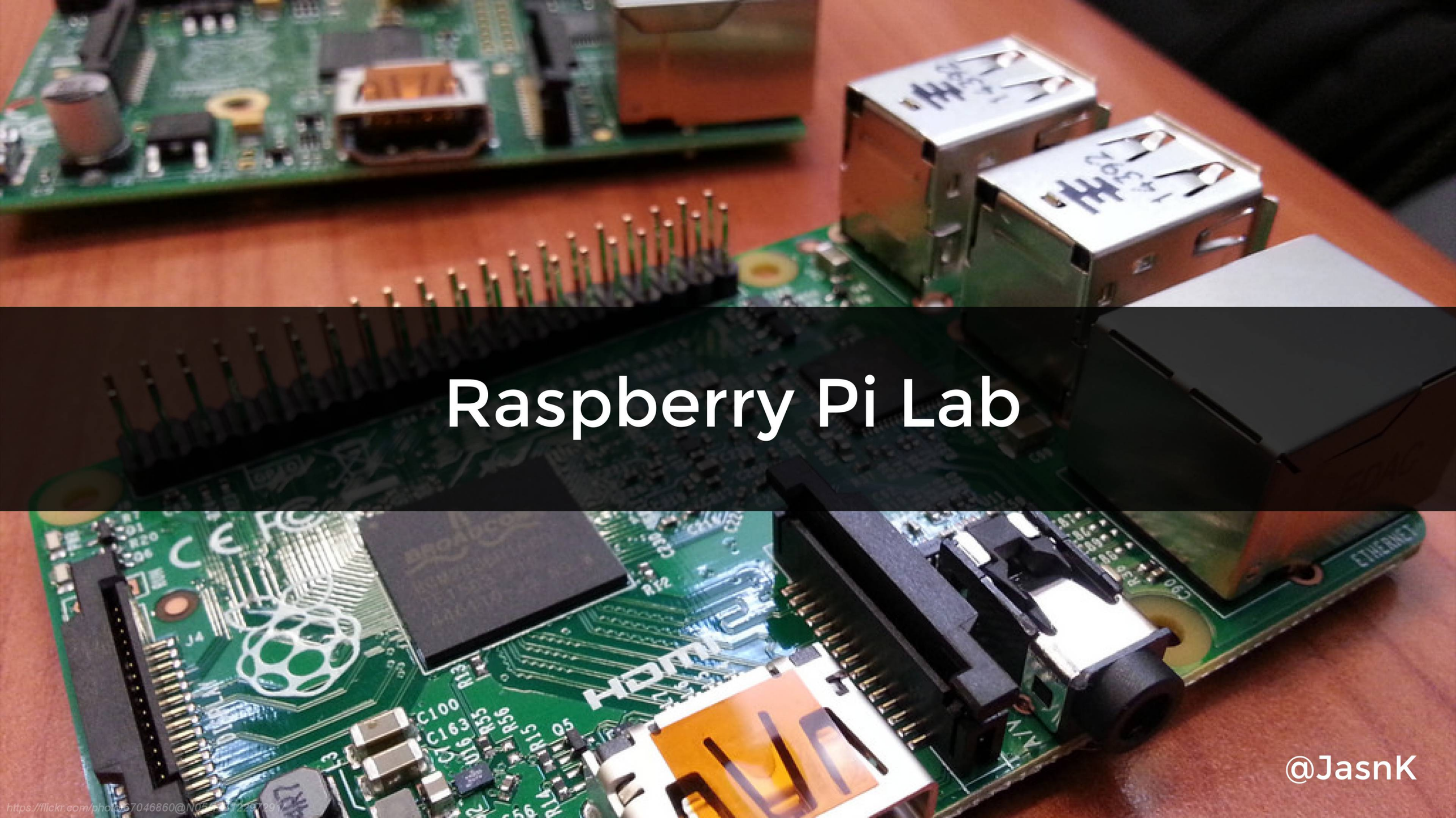

Raspberry Pi Lab

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Questions?

Jason Klein

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