Hardware requirements for Embedded and Real Time Systems
Winter 2019

COMPONENTS

1. Raspberry Pi 3 B+
2. Power Supply for Raspberry Pi 3
3. SD Card: recommend picking a known SD card that works with Raspberry Pi 3
4. HDMI cable
5. Optional case

Other standard hardware required for setup

- Ethernet cable
- HDMI Monitor
- USB Keyboard
- Router - Wi-Fi

DETAILS

Raspberry Pi 3 B+ Kit from Amazon $49


OR

Raspberry Pi 3 from Amazon $39

https://www.amazon.com/ELEMENT-Element14-Raspberry-Pi-Motherboard/dp/B07BDR5PDW/ref=pd_{lpo_vtpsh_147 bs t_1?_encoding=UTF8&psc=1&refRID=K2RK0Z4AZ328C366DV9F

Power Supply (important to get one for the Raspberry Pi 3) from Amazon $10

https://www.amazon.com/gp/product/B00MARDJZ4/ref=pd_bxgy_147_img_2?ie=UTF8&psc=1
&refRID=RR84R4WEBZ517YS55RMW

SD Card – with NOOBS built-in from Amazon $15 (you but a separate SD Card and program it yourself)

https://www.amazon.com/LoveRPi-32GB-Raspbian-MicroSD-Raspberry/dp/B01FRLCE32/ref=shr_1_2?ie=UTF8&keywords=raspberry+pi+3+sd+card

HDMI Cable from Amazon $7

https://www.amazon.com/AmazonBasics-High-Speed-HDMI-Cable-Standard/dp/B014L8SSD0/ref=dp_ob_title_ce
Optional Case $6-$16, personally like the one below.

https://www.amazon.com/Flirc-Raspberry-Case-Gen2-Model/dp/B07349HT26/ref=sr_1_6?ie=UTF8&qid=1539960345&sr=8-6&keywords=raspberry+pi+metal+case

Recommended Book

Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux 1st Edition

From Amazon ~$22.0

URL:
https://www.amazon.com/Exploring-Raspberry-Pi-Interfacing-Embedded/dp/1119188687/ref=sr_1_5?ie=UTF8&qid=1477852877&sr=8-5&keywords=raspberry+pi+for+beginners