

# How the Raspberry Pi Works.

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How the Raspberry Pi Works is a colorful guide packed with stunning graphics that brings to life the inside of a Raspberry Pi.

How the Raspberry Pi Works introduces the main processes of a working Raspberry Pi. The book is a great introduction to the inner workings of a Raspberry Pi. Students or hobbyists can see what is going on inside a Raspberry Pi.

This book delves into the operation of the computers key components. The computers processes are described in short form. Great for understanding the Raspberry Pi computer architecture, in easy to understand, step by step descriptions.

This book covers the Raspberry Pi SoC, CPU ,Ports, Local Memory ,SDIO Memory GPIO, Graphics and Memory Ports, RCA and HDMI (Video), CSI, DSI, USB and Ethernet.

Raspberry Pi is a trademark of the Raspberry Pi Foundation.

<https://www.raspberrypi.org>

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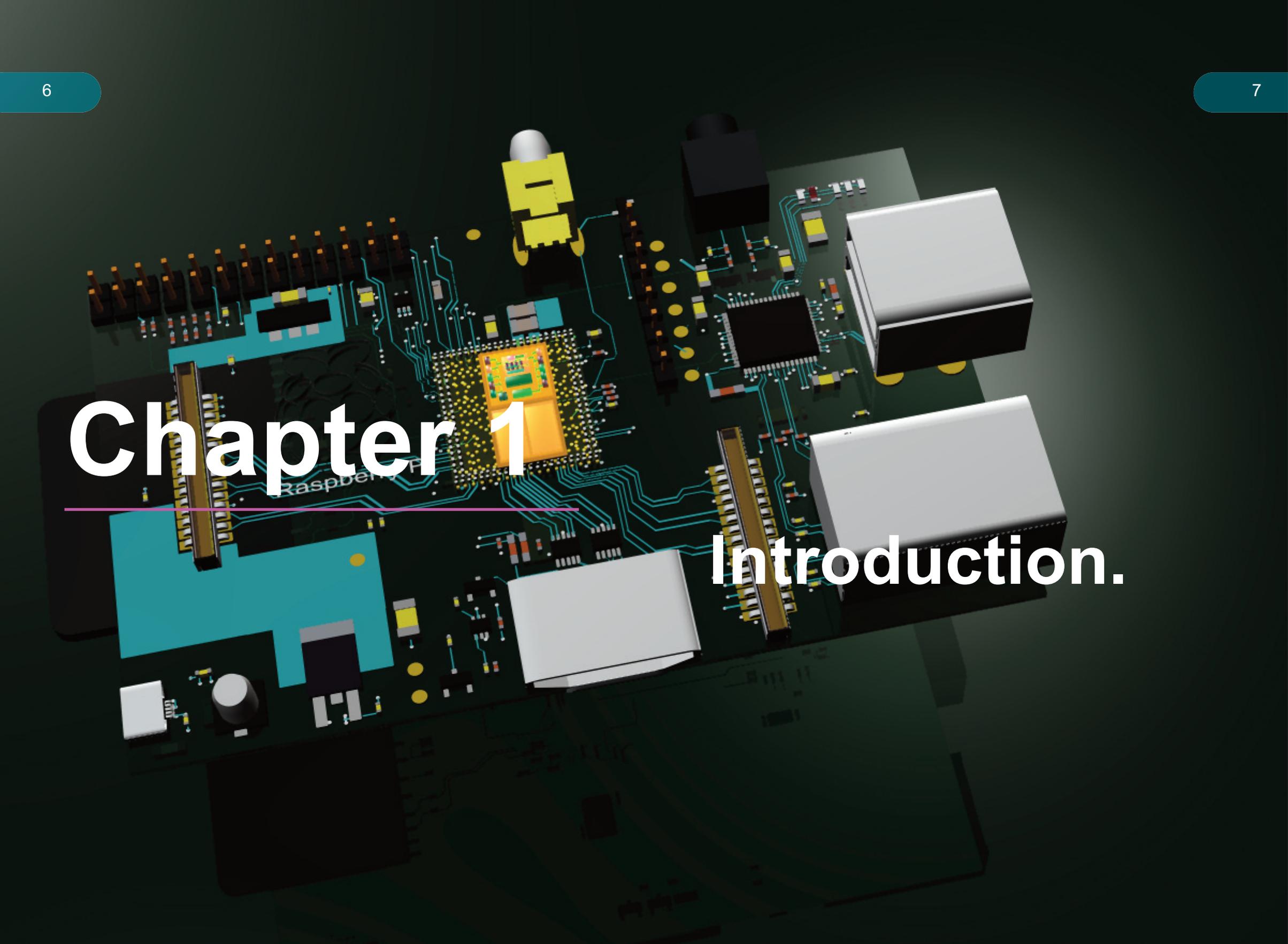
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# Chapter 1

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Introduction.

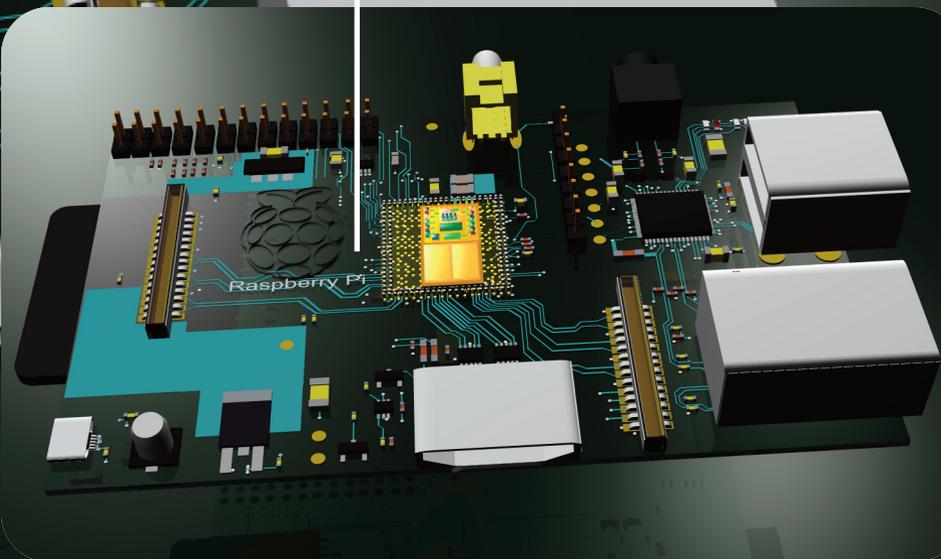
### Raspberry Pi

This book is aimed at the beginner or student who needs to know about the Raspberry Pi computer architecture. The book is based on the Raspberry Pi model B. This book describes the main circuit functions of the Pi.

### Linux

The Raspberry Pi is a fine example of a small credit card sized computer and was designed in Cambridge, England. The computer requires extra components such as a keyboard, pointing device and a monitor. The operating system used is typically a Linux version.

Raspberry Pi



The Raspberry Pi is a hugely popular small computer.

The Pi is a small printed circuit board (PCB), with numerous integrated circuits, components and connectors soldered to it.

