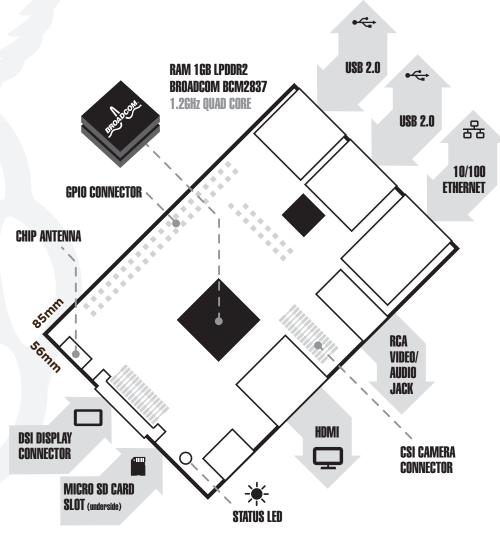




Raspberry Pi 3 Model B

Product Name	Raspberry Pi 3
Product Description	The Raspberry Pi 3 Model B is the third generation Raspberry Pi. This powerful credit-card sized single board computer can be used for many applications and supersedes the original Raspberry Pi Model B+ and Raspberry Pi 2 Model B. Whilst maintaining the popular board format the Raspberry Pi 3 Model B brings you a more powerful processer, 10x faster than the first generation Raspberry Pi. Additionally it adds wireless LAN & Bluetooth connectivity making it the ideal solution for powerful connected designs.
RS Part Number	896-8660







Raspberry Pi 3 Model B

Specifications

Processor Broadcom BCM2387 chipset.

1.2GHz Quad-Core ARM Cortex-A53

802.11 b/g/n Wireless LAN and Bluetooth 4.1 (Bluetooth Classic and LE)

GPU Dual Core VideoCore IV® Multimedia Co-Processor. Provides Open GL

ES 2.0, hardware-accelerated OpenVG, and 1080p30 H.264 high-profile

decode.

Capable of 1Gpixel/s, 1.5Gtexel/s or 24GFLOPs with texture filtering and

DMA infrastructure

Memory 1GB LPDDR2

Operating System Boots from Micro SD card, running a version of the Linux operating system or

Windows 10 IoT

Dimensions 85 x 56 x 17mm

Power Micro USB socket 5V1, 2.5A

Connectors:

Ethernet 10/100 BaseT Ethernet socket

Video Output HDMI (rev 1.3 & 1.4

Composite RCA (PAL and NTSC)

Audio Output Audio Output 3.5mm jack, HDMI

USB 4 x USB 2.0 Connector

GPIO Connector 40-pin 2.54 mm (100 mil) expansion header: 2x20 strip

Providing 27 GPIO pins as well as +3.3 V, +5 V and GND supply lines

Camera Connector 15-pin MIPI Camera Serial Interface (CSI-2)

Display Connector Display Serial Interface (DSI) 15 way flat flex cable connector with two data

lanes and a clock lane

Memory Card Slot Push/pull Micro SDIO

Key Benefits • Low cost

Low cost • Consistent board format

10x faster processing
Added connectivity

Key Applications • Lo

Low cost PC/tablet/laptop
IoT applications

Media centre
Robotics

Industrial/Home automation
Server/cloud server

Print serverSecurity monitoring

,

Web cameraGaming

Wireless access point

• Environmental sensing/monitoring (e.g. weather station)

