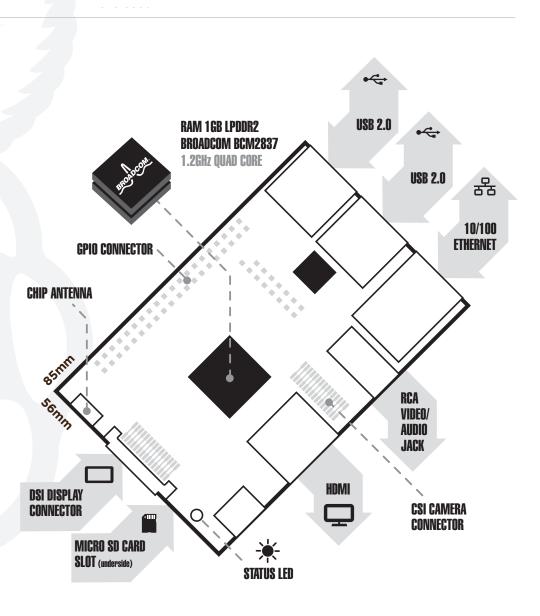




Raspberry Pi 3 Model B

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.





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/ DMA infrastructure	's or 24GFLOPs with texture filtering and	
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	Consistent board format	
	10x faster processing	Added connectivity	
Key Applications	Low cost PC/tablet/laptop	IoT applications	
	Media centre	Robotics	
	Industrial/Home automation	Server/cloud server	
	Print server	Security monitoring	
	• Web camera	• Gaming	
	Wireless access point		
	Environmental sensing/monitoring (e.g. weather station)		