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Raspberry Pi Zero

Name: Raspberry Pi Zero

Contents

- Raspberry Pi Zero Board
- Mini HDMI to HDMI adapter
- Micro USB “On the Go” adapter

Name: Raspberry Pi Zero & NOOBS MicroSD card

Kit Contents

- Raspberry Pi Zero Board
- Mini HDMI to HDMI adapter
- Micro USB “On the Go” adapter
- 8GB MicroSD card pre-loaded with NOOBS + SD Card adapter

Introducing the miniature Raspberry Pi Zero

The new entry level Raspberry Pi model. This ultra-slim Raspberry Pi board is the smallest form factor Raspberry Pi on the market today at only 65mm long by 30mm wide and 5mm deep. The board supports mini connectors to save on space, and the 40pin GPIO is unpopulated providing the flexibility to use only the connections your solution requires.

Key Features:


- The Pi Zero utilises the single-core BCM2835 processor, which can now be over-clocked to 1GHz
- 512MB onboard RAM with Micro SD port for storage
- 1 Micro USB data port for linking to accessories and peripherals like an external USB hub, or for connecting to your PC.
- The 40 pin GPIO is unpopulated providing the flexibility to use only the connections your solution requires.
- The Pi Zero supports full HD 1080P output via Mini HDMI or using RCA composite video output via the unpopulated pins
- Power rating of just 160mA even when connected to a 1080P display, making this the most efficient Raspberry Pi to date.

(supplied with adapters to connect your standard USB and HDMI cables to the board)

Technical Specification:

- Broadcom BCM2835 single-core ARMv6 system-on-a-chip, running at up to 1GHz
- 512MB RAM
- 40pin extended GPIO (unpopulated)
- 1 x Micro USB data port (Micro USB “On the Go” adapter is supplied to connect your standard USB devices)
- Mini HDMI port (Mini HDMI to HDMI adapter is supplied to connect to your display)
- MicroSD port for loading your operating system and storing data
- Micro USB power source

Raspberry Pi Models Comparison Table

	Raspberry Pi 2 Model B	Raspberry Pi 1 Model B+	Raspberry Pi 1 Model B	Raspberry Pi 1 Model A+	Raspberry Pi 1 Model B	Raspberry Pi 1 Model A	Pi Zero	Compute Module Development Kit
Processor Chipset	Broadcom BCM2836 ARMv7 Quad Core Processor powered Single Board Computer running at 900MHz	Broadcom BCM2835 ARMv6 SoC full HD multimedia applications processor	Broadcom BCM2835 ARMv6 SoC full HD multimedia applications processor	Broadcom BCM2835 ARMv6 SoC full HD multimedia applications processor	Broadcom BCM2835 ARMv6 SoC full HD multimedia applications processor	Broadcom BCM2835 ARMv6 SoC full HD multimedia applications processor	Broadcom BCM2835 ARMv6 SoC full HD multimedia applications processor	Broadcom BCM2835 ARMv6 SoC full HD multimedia applications processor
GPU	Videocore IV	Videocore IV	Videocore IV	Videocore IV	Videocore IV	Videocore IV	Videocore IV	Videocore IV
Processor Speed	QUAD Core @900 MHz	Single Core @700 MHz	Single Core @700 MHz	Single Core @700 MHz	Single Core @700 MHz	Single Core @700 MHz	Single Core @1 GHz	Single Core @700 MHz
RAM	1GB SDRAM @ 400 MHz	512 MB SDRAM @ 400 MHz	512 MB SDRAM @ 400 MHz	256 MB SDRAM @ 400 MHz	512 MB SDRAM @ 400 MHz	256 MB SDRAM @ 400 MHz	512 MB SDRAM @ 400 MHz	512 MB SDRAM @ 400 MHz
Storage	MicroSD	MicroSD	SDCard	MicroSD	SDCard	SDCard	MicroSD	4GB eMMC
USB 2.0	4x USB Ports	4x USB Ports	2x USB Ports	1x USB Port	2x USB Ports	1x USB Port	1x Micro USD port	1x USB Port
Power Draw / voltage	1.8A @ 5V	1.8A @ 5V	1.2A @ 5V	1.8A @ 5V	1.2A @ 5V	1.2A @ 5V	1.8A @ 5V	1.8A @ 5V
GPIO	40 pin	40 pin	26 pin	40 pin	26 pin	26 pin	40 pin (unpopulated)	120 pin
Ethernet Port	Yes	Yes	Yes	No	Yes	No	No	No