MICRO OHM ELECTRONICS

RASPBERRY PI 2 MODEL B

1 GB RAM | 900 MHz Quad-Core | Single Board Computer

PRODUCT REFERENCE X9874 / GTIN (EAN-13) 5056561802428

Technical overview

Raspberry Pi 2 Model B is a compact Linux-capable single-board computer with a 900 MHz quad-core processor, 1 GB RAM, Ethernet, USB, HDMI, camera/display ribbon interfaces, and a 40-pin GPIO header. Processor architecture depends on the board revision.

Processor	Broadcom 900 MHz quad-core (revision-dependent)
PCB revisions	1.1: BCM2836 / Cortex-A7; 1.2: BCM2837 / Cortex-A53; 1.3: BCM2837B0 / Cortex-A53
System memory	1 GB RAM
Graphics	VideoCore IV
Networking	10/100 Mbps RJ45 Ethernet; no onboard Wi-Fi or Bluetooth
USB ports	4 × USB 2.0 Type-A
Video output	1 × full-size HDMI
Audio and analog video	3.5 mm combined analog audio / composite output
Camera and display	CSI camera connector; DSI display connector
Expansion	40-pin GPIO header, 3.3 V logic
Storage	microSD card slot (microSD card not included)
Power input	Micro-USB, recommended 5 V / 2.5 A power supply
Board footprint	85 × 56 mm
Item supplied	Single-board computer only; accessories are separate

Important identification and compatibility notes

The EAN identifies Raspberry Pi 2 Model B in established retail catalogs but does not conclusively determine the PCB revision. Check the revision printed on the physical board or read the Revision field from /proc/cpuinfo. The model has no built-in eMMC storage, Wi-Fi, or Bluetooth. GPIO signals are 3.3 V only: do not apply 5 V directly to GPIO pins.

Official engineering documents

Raspberry Pi 2 Model B - official specification
Raspberry Pi 2 Model B - reduced schematics (PDF)
Raspberry Pi hardware reference and revision codes

Prepared by Micro Ohm Electronics from public manufacturer documentation. This is an independent product reference sheet, not a manufacturer-issued datasheet. Revisions 1.1/1.2 have reached end-of-life; check revision and compatibility for production designs.