RASPBERRY-B-512M+SD4G   (C-YA-A-00180)

It is a set of RASPBERRY PI MODULE B, 512 MB with 4 GB SD CARD that has been installed the Operating System completely.

PASPBERRY PI is 32 BIT mini Board Computer with 512 MB Memory that is enough to install the Operating System of LINUX, it is developed by RASPBERRY PI FOUNDATION.
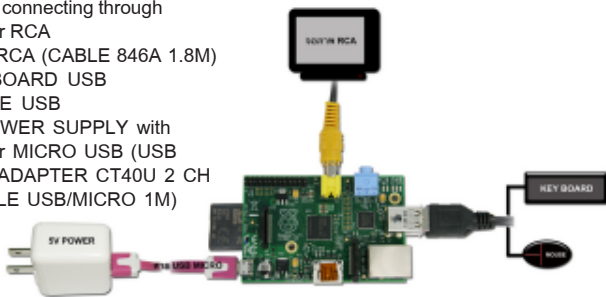
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- Use CHIP SoC BROADCOM BCM2835 that includes CPU, GPU, and SDRAM in One Single Chip.
- Has Central Processing Unit(CPU) 700MHz ARM11 version ARM1176JZF-S CORE
- Has Graphics Processing Unit(GPU) BROADCOM VIDEO CORE IV, OPEN GL ES2.0, OPEN VG 1080P30 H.264 HIGH-PROFILE ENCODE/DECODE
- Has 512 MB SDRAM, USB 2.0 PORT 2-CH
- Has Connector Image Signal as JACK RCA and HDMI (choose only one type while using)
- Connector Audio Signal uses JACK 3.5mm. or connecting though Connector HDMI
- Connector 26 PIN for INPUT/OUTPUT (GPIO), SPI, I2C, UART (INPUT or OUTPUT of Board can be connected with 3.3V only, it cannot be connected with 5V)
- Has PORT LAN 10/100 MB that is Connector RJ45 ON BOARD
- Use 5VDC Power Supply for board with at least 700mA Current through Connector MICRO USB
- Run the Operating System of board from SD CARD on board
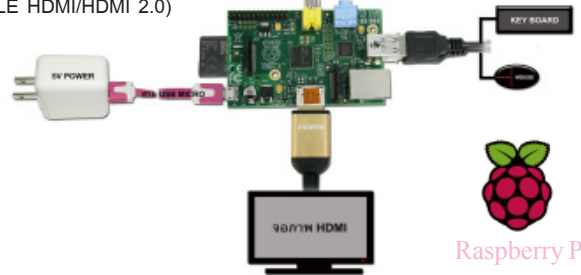- PCB size: 85.0 x 56.0 mm.

The Devices are connected with Board RASPBERRY PI that has SD CARD completely.

Way 1: Interface Screen through JACK RCA, it requires

1. Screen connecting through Connector RCA
2. Cable RCA (CABLE 846A 1.8M)
3. KEY BOARD USB
4. MOUSE USB
5. 5V POWER SUPPLY with Connector MICRO USB (USB POWER ADAPTER CT40U 2 CH and CABLE USB/MICRO 1M)

Way 2: Interface Screen through Connector HDMI, it requires
It is similar to the Way 1 but it changes the Cable from RCA to HDMI (CABLE HDMI/HDMI 2.0)

Raspberry Pi

Way 3: Interface through RJ45 LAN, it requires

1. COMPUTER
2. ROUTER (DHCP SERVER)
3. Cable LAN DIRECT 2M
4. 5V POWER SUPPLY with Connector MICRO USB (USB POWER ADAPTER CT40U 2CH and CABLE USB/MICRO 1 M)

OPTION

- **RASPBERRY-B-512**
  (C-YA-A-00179)

- **USB POWER ADAPTER CT40U 2CH**
  (A-AP-A-00097)

- **CABLE USB/MICRO 1 M**
  (A-CB-A-00045)

- **สาย LAN DIRECT 2 M**
  (P-CB-A-00028)

- **CABLE HDMI/HDMI 2.0M**
  (A-CB-A-00046)

- **SD CARD 4 GB+LINUX**
  (A-CM-A-00044)

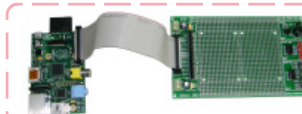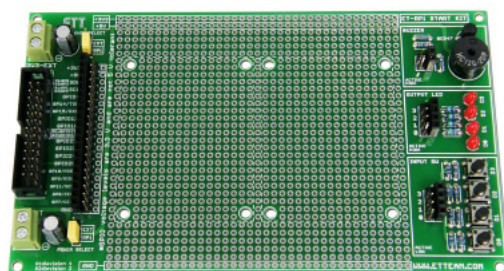- **CABLE 846A 1.8 M**
  (A-CB-A-00048)

*** This Board is imported from foreign country, the circuit of the device is SMD that cannot be fixed or repaired. ETT checks all parts and circuits of board in order to make sure that it can work well before selling.
*** There is no any warranty for this product. If customer cannot accept the CONDITION, please DON'T UNSEAL and return the product to ETT in order to get money back.***

ET-RPI START KIT   (P-ET-A-00500)

new

This Board is connected with Board RASPBERRY PI through Connector 26 PIN and Pair Cable 26PIN that is externally interfaced with I/O PORT of board or,
it is used to interface with devices on board. It is lower price.

It illustrates how to connect and use Board ET-RPI START KIT with Board RASPBERRY PI.

- Change Connector Pair Cable 26 PIN to Connector 20 PIN for both MALE and FEMALE; next, type name of I/O, and it can be interfaced and used instantly.
- Use I/O to simply test the operation on Board MINI BUZZER, 4 CH LED, 4 CH SW with Connector
- Provide Connector POWER 5V, 3.3V
- PCB size: 15.3 x 9 cm. With PCB Photo Board
- ET-PRI START KIT includes
  1. Board   2. Pair Cable 26 PIN

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Tel : 02-7121120   Fax : 02-3917216
e-mail : sale@etteam.com
www.etteam.com

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