

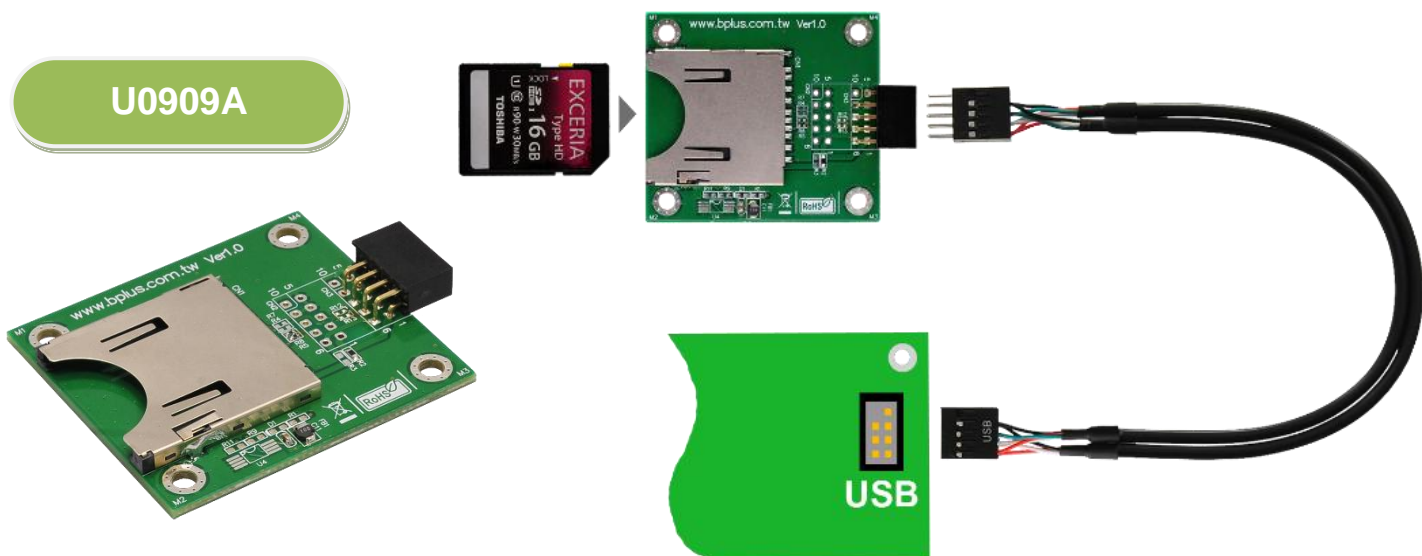
## U0909A (USB2.0 9 Pin Header to SD Card Reader)

The U0909A is a USB 2.0 SD/MMC Flash Card Reader working at USB2.0 9pin header port. It supports USB 2.0 high-speed transmission to Secure Digital™ (SD), SDHC, SDXC, miniSD, microSD (T-Flash), MultiMediaCard™ (MMC), RS-MMC, MMCmicro, MMCmobile. The U0909A complies with Universal Serial Bus specification rev. 2.0, USB Storage Class specification ver.1.0, and SD/MMC card interface specification.

The U0909A integrates a high speed 8051 microprocessor and a high efficiency hardware engine for the best data transfer performance between USB and flash card interfaces. Use GL823 as the main chip IC.

### Specification

- **USB specification compliance**
  - Comply with 480Mbps Universal Serial Bus specification rev. 2.0
  - Comply with USB Storage Class specification rev. 1.0 : Standard Device Driver available.
- **Integrated USB building blocks**
  - USB2.0 transceiver macro (UTM), Serial Interface Engine (SIE), Build-in power-on reset (POR) and low-voltage detector (LVD)
- **Embedded 8051 micro-controller**
  - Operate @ 60 MHz clock, 12 clocks per instruction cycle
  - Embedded mask ROM and internal SRAM
- **Standard Size SD Card Slot: Secure Digital™ (SD) and MultiMediaCard™ (MMC)**
  - Support SD specification v1.0 / v1.1 / v2.0/ SDHC (Up to 32GB)
  - Compatible with SDXC (Up to 2TB)
  - Support MMC specification v3.x / v4.0 / v4.1 / v4.2.
  - x1 / x4 bit data bus
- **Provide Over-Current protection mechanism for safety power supply for SD card.**
- **On-Chip power MOSFETs for supplying flash media card power**
- **Support Power Saving mode/ Selective suspend mode for better power management.**
- **Operating system supported: Windows 7/Vista32&64/XP/2000/Me/98/98SE, Mac OS 9.X/10.X, Linux Kernel 2.4.X/2.6.X**
  - Pass Windows Vista/ Windows 7



## Function

### System Requirements

USB 2.0 9pin port

### Dimension

58mm X 45mm X 8mm (available at low profile height system)

### Certification

RoHS

### Operating Temperature

0 ~ 70°C

## U0909A Package Contents

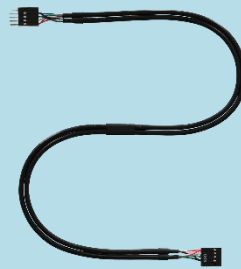
### U0909A \*1

(USB2.0 9Pin Header to SD card reader)



### Y09-U12-030 \*1

(USB2.0 9PIN cable 30cm)



### 2.0cm Pillars \*4



### Screw \*4

