

Includes

- 1x ATOM Display

Application

- Display input signal source
- HD Data Board

Specifications

Resources	Parameter
FPGA	Gowin GW1NR-9C
LT8618SX	RGB to HDMI chip, supports 24bit color depth
Maximum image output size	720P(1280x720)
Output frame rate	1280x720 60Hz
USB driver chip	CH9102
Net weight	21g
Gross weight	34g
Product Size	64 * 24 * 29mm
Package Size	76 * 46 * 29mm

Pin mapping

- BUTTON & RGB LED

ATOM	G39	G27
BUTTON	SIGNAL	/
RGB LED	/	SK_DIN

- LT8618SX

Example

Arduino

- [M5GFX - Lib](#)

Before using the case program in the M5GFX library, you need to change the imported header file to adapt to the currently used device. Introduce **#include <M5AtomDisplay.h>** as shown in the following program example, and create an instance **M5AtomDisplay display;**

```
#include <Arduino.h>
#include <vector>

#include <M5AtomDisplay.h>
M5AtomDisplay display;

void setup(void)
{
  display.begin();
}

void loop(void)
{
  display.fillScreen(RED);
  delay(1000);
  display.fillScreen(GREEN);
  delay(1000);
  display.fillScreen(BLUE);
  delay(1000);
}
```

Video
