



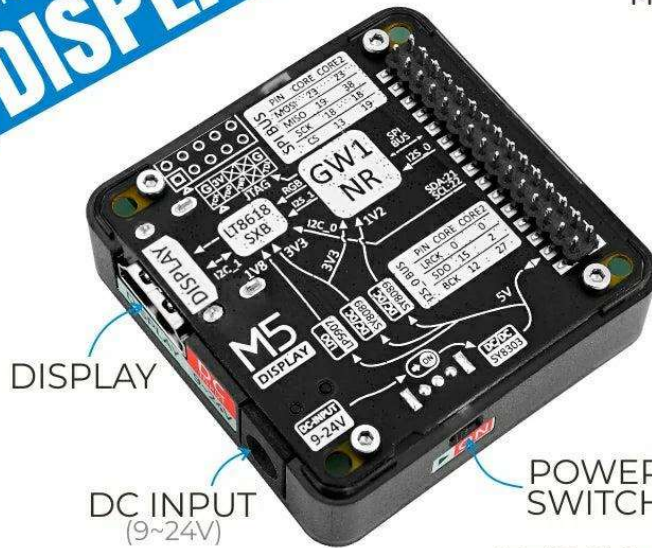
M5STACK

# Display Module 13.2

SKU:M126



M5STACK



CORE2



CORE

LT8616SXB  
GW1NR-I5 FPGA  
54 x 54 x 13.2 mm



# Description

Display Module 13.2 is an expansion module for HD audio and video, using GAOYUN GW1NR series FPGA chip to output Display signal, and using LT8618S chip as signal output conditioning, which can achieve 24-bit color depth Display signal and up to 8-channel audio signal output, resolution up to 1080P, of which FPGA internally realizes I2S audio generation function. The module contains DC power input socket and corresponding DC-DC circuit, which can realize the power supply of the whole machine. This product is suitable for various programmable HD AV output and other occasions.

## Features

- Supports 24-bit RGB input
- Resolution up to 1080P
- Supports up to 8 channels of audio input
- Includes 9-24V to 5V, 3.3V and 1.2V DCDC circuits and 5V to 1.8V LDO circuits
- HD audio and video interface, JTAG download interface
- 9-24V DC power interface
- Power switch
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## Includes

- 1x Display Module 13.2
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## Applications

- Output HD audio and video signals
- Human-machine interaction

## Specification

<b>Resources</b>	<b>Parameters</b>
Audio and video signal acquisition chip	GW1NR-LV9QN88C6-I5 FPGA
Audio and video signal processing chip	LT8616SXB
9-24V to 5V DCDC buck chip	SY8303
5V to 3.3V and 1.2V DCDC buck chips	SY8089
5V to 1.8V LDO buck chip	LP5907
Resolution	MAXIMUM 1080P (1920x1080)
The power supply	9-24V
Product Size	54mm × 54mm × 14.2mm
Package Size	93mm × 63mm × 25mm
Product Weight	21.6g
Package Weight	41.2g