

## VIM2 Specifications

Model	Max	Pro	Basic	Lite [1]
SoC	Amlogic S912 1.5 GHz 64Bit Octa Core ARM Cortex-A53 750MHz ARM Mali-T820MP3 GPU HW UHD H.265/VP9 60fps 10bit video decoder HDR10 and HLG HDR video processing			Amlogic S905D Quad Core ARM Cortex-A53 750MHz Mali-450MP5 GPU UHD H.265/VP9 60fps 10bit HDR10 and HLG HDR
MCU [2]	8bit STM8S003 with Programmable EEPROM			
SPI Flash	2MB			
DDR4	3GB	3GB	2GB	2GB
EMMC	64GB	32GB	16GB	16GB
Wi-Fi	AP6359SA, 802.11a/b/g/n/ac 2X2 MIMO with RSDB [3]		AP6356S, 802.11a/b/g/n/ac 2X2 MIMO	
Bluetooth	V4.2		V4.1	
LAN	10/100 / 1000M			
WOL [4]	Wake up & on Lan			
IR Receiver	2 Channels			
HDMI 2.0a	Type-A Female, up to 4K@60Hz			
HDMI CEC	Yes			
TF Card	Molex Slot			
USB2.0 HOST	x2 (900mA & 500mA Load)			
USB Type-C	USB2.0 OTG & DC IN			
Wide Input Voltage	Range from 5V to 9V, Recommend 5.0V			
Current Limit Switch	Programmable, 3.0A as default (up to 4.0A)			
VIN (Extra Power IN)	4-Pins, 1.25mm Pitch Header			
RTC & Battery Header	0.8mm Pitch Header			
Cooling Fan Header	3 Levels Speed, with a 0.8mm Pitch Header			
40Pins 2.54mm Header	USB, I2C, I2S, SPDIF, UART, PWM, ADC, ISO7816, IOs			
FPC Connector	10-Pins, 0.5mm Pitch, with I2C, IOs			
Pogo Pads Array	USB, I2C, DVB-Bus, IOs			
Pogo Pads MCU	SWIM, UART, ADC, NRST			
Pogo Pads for VIN	System Power Input			
Buttons	x3 (Power / Func / Reset)			
LEDs	Blue LED x1, White LED x1			
Mounting Holes	Size M2 x 4			
Board Dimensions	82.0 x 57.5 x 11.5 mm			
Android	Nougat (7.1)			
Ubuntu	Ubuntu 16.04+			
UEFI	Developing			

[1] VIM2 Lite model is only available for ODM/OEM.

[2] MCU: Power management, EEPROM for customization, and boot media(SPI Flash or EMMC) setup.

[3] RSDB: Real Simultaneous Dual Band, which lets VIM2 and other devices transmit and receive data over two bands at the same time.

[4] WOL: Boot on or wake up VIM2 remotely over Lan through APP or webpage.