VIM2(V14) Specifications

Model	Basic	Pro	Max
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		
MCU [1]	STM8S003 with Programmable EEPROM		
SPI Flash	16MB		
DDR4	2GB	3GB	3GB
EMMC	16GB	32GB	64GB
Wi-Fi [2]	AP6356S, 2X2 MIMO	AP6398S, 2X2 MIMO with RSDB [3]	
Bluetooth	V4.1	V5.0	
LAN	10/100 / 1000M		
WOL [4]	Wake 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)		
RTC & Battery Header	0.8mm Pitch Header		
Cooling Fan Header	4-Pins 0.8mm Pitch Header, with PWM Speed Control		
40-Pins I/O Header	2.54mm, USB, I2C, I2S, SPDIF, UART, PWM, ADC, ISO7816		
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		
XPWR Pads	For External Power Button		
Buttons	x3 (Power / Func / Reset)		
LEDs	Blue LED x1, White LED x1		
Mounting Holes	Size M2 x 4		
Board Dimensions	82.0 x 58.0 x 11.5 mm		
Board Weight	28.5g		
Linux	Mainline Linux (Linux 5.0+)		
Bootloader	Mainline U-Boot		
Linux Distros	Ubuntu 18.04+ / Armbian		
O/S for HTPC	Android TV / LibreELEC		
Android	Nougat (7.1)		
Google Fuchsia OS	Google Official ARM64 Platform		
Khadas Only	Khadas TST [5]		
	Fenix Script [6]		
Certifications	CE, RoHS		

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

[2] Wi-Fi: All models feature with 802.11a/b/g/n/ac.

[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: Power on or wake up VIM2 remotely over Lan through APP or webpage.

[5] The Khadas TST feature enables developers to enter upgrade mode easily: simply press the function key 3 times within 2 seconds, and it works even if the boot loader is damaged.

[6] Fenix Script: One-click script for building of Linux Distributions.