



Comparisons between VIM1 and VIM1S

Model	VIM1 Pro	VIM1S
SoC Process	28 nm	12 nm
CPU	Amlogic S905X x4 A53 at 1.5GHz	Amlogic S905Y4 x4 A35 at 2.0GHz
GPU	Mali-450 MP3 at 750MHz	Mali-G31 MP2 at 850MHz
RAM	2GB DDR3 768MHz, 32-bit	2GB LPDDR4 1176MHz, 32-bit
SPI Flash	-	32MB
Wi-Fi	IEEE 802.11 ac/a/b/g/n	IEEE 802.11 ac/a/b/g/n
Bluetooth	4.2	5.0
TF Card UHS Speed Class	-	UHS-I
HDMI Display	x1 HDMI 2.0, 4K60	x1 HDMI 2.1, 4K60
Encoder	H.264 at 1080p@60fps	Software Encoding, H.264, VP8
Decoder	Formats: VP9, H.265, H.264 Maximum resolution 4Kx2K@60fps Multi-video Decoding up to 4x 1080p@60fps	Formats: AV1, VP9, H.265, H.264 Maximum resolution 4Kx2K@60fps Multi-video Decoding up to 4x 1080p@60fps
Power Supply	USB-C, VIN	USB-C, VIN (90° Rotated)
External IO	40-Pin 2.54mm Header	40-Pin 2.54mm Header 30-Pin 1.0mm FPC Connector
LED	Blue + White	Red + White
Board Weight	28.5g	27g
Compliances	RoHS, CE	RoHS, CE, FCC, TELEC
eMMC	16GB	
LAN	10/100M	
Timer on [1]	RTC Timer	
USB Host	x2 USB 2.0	
USB-C	USB 2.0 OTG	
IR Receiver	Dual Channels	
Buttons	x3 (Reset / Function / Power)	
Cooling Fan Header	4-Pin 0.8mm Pitch Header PWM Speed Control	
Mounting Holes	Size M2 x4	
Board Dimensions	82.0 x 58.0 x 13.0 mm	

[1] The RTC timer can power on the SBC at a preset time which can be used applied to occasions like digital signage.