



IEC-G510

Digital Signage Player with MediaTek Genio 510 6-CORE Processor



Features

- APU support up to 3.2 TOPS
- Support Mediatek NeuroPilot
- OS Support Android 14 / Linux
- WiFi 5 802.11ac Support (2T/2R)
- 2 x HDMI type A support dual display
- 1 x GbE RJ45 LAN
- 1 x USB3.1 type A, 1 x USB2.0 type A
- 1 x 3.5 mm audio jack supports LINE-out and MIC in
- 1 x Micro SD card slot / 1 x Micro SIM card slot
- 1 x DC in 12V jack

System

CPU	MediaTek G510 (MT8370)
GPU	Mali-G57 MC2
Memory	LPDDR4X 4GB
Storage	eMMC 5.1 64GB

I/O

Rear I/O	1 x HDMI type A supports max resolution 3840 x 2160 @ 60Hz 1 x HDMI type A supports FHD @ 60Hz 1 x GbE RJ45 LAN (100Mbps/1Gbps) 1 x USB3.1 type A 1 x USB2.0 type A 1 x 3.5mm audio jack supports LINE-out and MIC in 1 x Micro SD card slot 1 x Micro SIM card slot 1 x DC in 12V jack 7 x Antenna holes (2 for Wi-Fi, 1 for Bluetooth, 4 for 4G/5G)
Front I/O	1 x PWR on/off button 1 x PWR status LED 1 x Data access LED 1 x Type-C (USB-OTG)
Internal I/O and expansion slot	1 x M.2 B-key support 3042/3052 4G LTE/ 5G NR FR1 module 4 x UART pin headers 8 x GPIO pin headers

Qualification

Certification	CE, FCC, RoHS, REACH
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OS Support

Android 14, Yocto 4.0 (Kernel 5.15)

Power Requirement

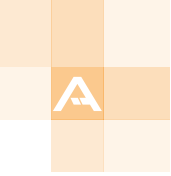
Power Input	DC 12V input
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Mechanical

Construction	Metal Case
Dimensions (W x D x H)	195 x 100 x 20 mm (7.68" x 3.94" x 0.79")

Environmental

Operating Temp.	-10 ~ 55°C (14 ~ 131°F)
Storage Temp.	-20 ~ 70°C (-4 ~ 158°F)



Product Drawing



Preliminary