

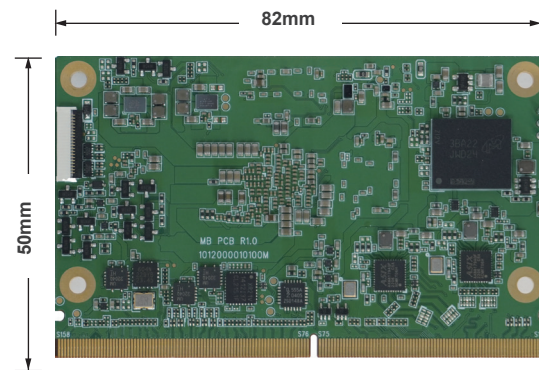
### Features

- MediaTek Genio 1200 SoC--High-performance, low-power platform
- 6nm MT8395 with Octa-Core, Arm Cortex-A78 x4 + A55 x4, TDP: 3.1W
- MediaTek APU AI engine, up to 4.8 TOPS performance
- SMARC 2.1.1, supports MIPI, HDMI, LVDS, DP, eDP
- Dual Display (4K60+4K60), Triple Display (FHD60+ FHD60+4K60)
- Video Decoder: 4K90, AV1/VP9/H.265/H.264
- Video Encoder: 4K60, H.265/H.264
- HDMI RX support HDMI2.0 video input Max 4K60
- 10-year product longevity



Specifications		
Core System	Processor	MediaTek Genio 1200 Octa-Core SoC
	Architecture	- Four Cortex A78 @ 2.2GHz - Four Cortex A55 @ 2.0GHz
	Memory	8GB LPDDR4X SDRAM / 16G (Optional)
	Storage	64GB UFS2.1 / 128G (Optional)
Graphics	GPU Core	Five-core Arm Mali-G57 GPU – Dual 4K @ 60 fps
	GPU Feature	3D graphic accelerator capable of processing 17600M pixel/sec @ 880MHz H.265 and H.264 video decoding up to 4K@90fps H.265 and H.264 video encoding up to 4K@60fps
Extension Busses		1x 4-Lane MIPI DSI, 1x 4-Lane MIPI DSI/ EDP 2x MIPI CSI (1 x 4-Lane, 1 x 2-Lane), 1x 4-Lane MIPI CSI (ZIF Connector) 1x Display Port 2x USB 3.1(HOST) 2x USB 2.0 (Host), 1x USB 2.0 (Host/Device), 1x USB 2.0 (DL Port) 2x 10/100/1000 Mbps (GbE) Ethernet 1x SPI 2x I2S 3x I2C 1x UART(Debug), 1x UART (TX/RX), 1x UART (TX/RX/CTS/RTS) 1x PCIe x 2 Gen3, 1x PCIe Gen2 1x SDIO 14x GPIO 5V DC-in

SoM I/O	4-Lane MIPI CSI connector HDMI RX Connector
Operating System	Android 13, Yocto 4.0 Kirkstone
System Monitoring and Management	Watchdog Timer, System Management
Power-On Temp.	0°C ~ 60°C
Operating Temp.	-40°C ~ 85°C
Operating Humidity	0% ~ 95% at 60° C (relative humidity ; non-condensing)
Form Factor	82mm x 50mm SMARC



All specifications are subject to change without notice. Last update: MAY.26.2025

