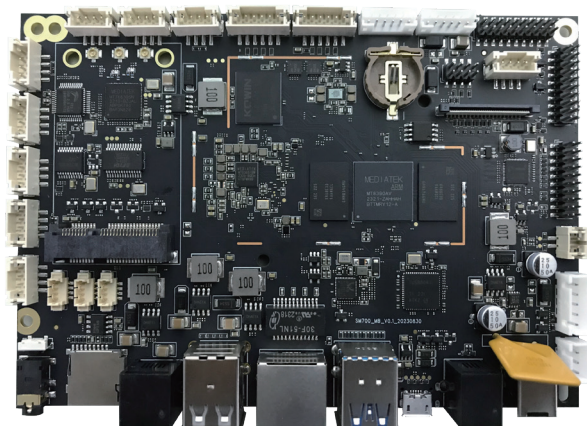




MEDIATEK

Features

- MediaTek Genio 700 6nm Process Single Board , Light-weight AI ,low-power platform
- Octa-core Dual-core Arm® Cortex®-A78 processor,Hexa-core Arm Cortex-A55 processor
- MDLA3.0 @900Mhz +VP6 @832Mhz (~4Tops)
- Support WIFI5/BT5.1/GbE connectivity and Compatible extension WIFI6 /4G/5G data connectivity
- Support latest Android 13OS
- multi-type I/O ports to enhance user experience.
- RTC support power-off clock memory
- 10-year product longevity

System

CPU	A78(2.2GHz)*2,256KB L2 A55(2.0GHz)*6,128KB L2 2MB L3
GPU	Mali G57 MC3 45 fps
APU	1xVP6,1xMDLA3.0 3.4TOPs
Operating System	Android 13
Memory	Default: LPDDR4X 4GB Optional: LPDDR4X 8GB/16GB
Storage	Default:64GB EMMC5.1 Optional: 32GB /128GB EMMC5.1

Connectivity

WIFI/BT	Default: MT7663BS IEEE 802.11 a/b/g/n/ac Wi-Fi 2T2R/Bluetooth 5.1 Optional: MT7921BU IEEE 802.11 a/b/g/n/ac/ax Wi-Fi 2T2T /Bluetooth 5.2
NETWORK	Optional:4G Optional: 5G

Video

MIPI DSI	1x MIPI (4 lane)
LVDS	1x LVDS
EDP	2x EDP (2 lane)
HDMI	1x mini hdmi TX

Front I/O

DC	1 x DC IN 12V
USB	2 x USB 2.0, 2 x USB 3.0 1 x USB2.0 USB/HOST/OTG (Micro USB)
Ethernet	1 x 10/100/1000 MHz RJ45
RJ11-4	1x UART 3.3V

RJ11-6	wallet interface
SIM	1x micro SIM for 4G or 5G
Card Reader	1 x Micro SD
Headphone	1 x Headphone connector

Internal I/O

USB	4x USB 2.0
UART	5 x UART
BackLight	2 x 12V with EN&PWM
I2C	1 x I2C with RST&INT
SPI	1 x SPI
SPK	1 x stereo audio out
MIC	1 x audio in
GPIO	1 x with 4 GPIO
PWR	1 x with led
DC IN	1 x 12V IN
Cash control	1 x 12V Out

Mechanical & Environmental

Dimension (L x W)	146 x 102 mm (Reference)
Weight	120g
Operating Temp	-40 ~85°C
Adaptive Temperature	-20~60°C
Operating Humidity	0%~95% at 60°C(relative humidity; non-condensing)

All specifications are subject to change without notice. Last update: Apr/19/2024

