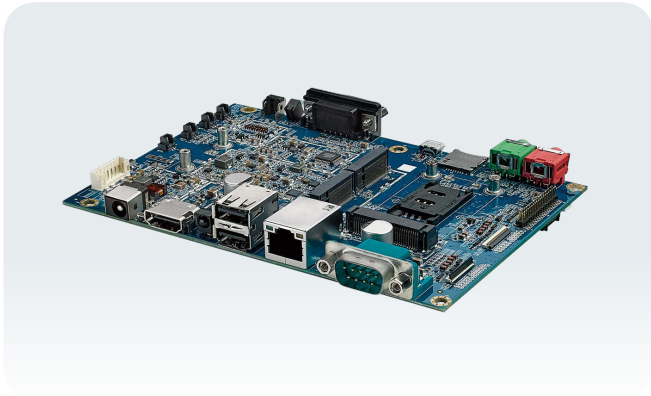


ESOM-MT-350-CB

Arm-Based MediaTek Genio 350 Carrier Board



Features

- Compatible with ESOM-MT-350 System on Module
- Support Digital Display and 4-lane MIPI DSI Interface
- Support 4-lane CSI-2 Camera Interface
- 1 LAN, 2 USB 2.0, 1 Micro USB, 1 COM RS-232
- Mini PCIe with SIM socket for 4G/LTE/WiFi/BT/GPRS/UMTS
- 2 Audio Jack for Mic-in, Line-out



Specifications

System	
Processor	MediaTek Genio 350 Processor with Quad-core Cortex-A53 @2.0GHz
Memory	2GB LPDDR4 SDRAM
eMMC	16GB eMMC
OS	<ul style="list-style-type: none">▪ Android 10▪ Linux Yocto 3.1
Graphics	
Display	<ul style="list-style-type: none">▪ Digital Display : up to 1920 x 1080▪ 4-lane MIPI DSI : up to 1920 x 1080
Camera	1 4-lane MIPI CSI-2
Ethernet	
LAN 1	10/100 Mbps Ethernet, RJ45 Connector
Audio	
Audio Interface	2 Audio Jack for Mic-in, Line-out
I/O Interface	
Front I/O	<ul style="list-style-type: none">▪ Power Button▪ Power LED▪ 1 Micro USB 2.0 OTG Port▪ 1 10-bit GPIO Port▪ 1 Micro SD card slot▪ 2 Audio Jack
Rear I/O	<ul style="list-style-type: none">▪ Reset Button▪ 1 RJ45 Ethernet Connector▪ 2 USB 2.0 Type A▪ 1 Digital Display▪ 1 COM RS-232 Connector▪ 1 IR Receiver▪ 1 DC-in Power Jack
Internal I/O	<ul style="list-style-type: none">▪ 2 M.2 Connector for SOM Board▪ 1 MIPI DSI Connector▪ 1 MIPI CSI-2 Connector▪ 1 Touch Screen Connector▪ 1 SIM card Socket▪ 1 mini PCIe Socket▪ 1 Mic-in Connector▪ 2 Speaker Connector▪ 1 IO Expander Connector (1 I²C, 1 SPI, 1 UART, 12 GPIO)▪ 1 Battery charger connector

Expansion	
Mini PCIe	1 Mini PCIe for USB/SIM Card
Power	
Power Input	12V DC-in
Mechanical	
Dimensions (W x L)	146 mm x 102 mm (5.75" x 4.01")
Environment	
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
Humidity	5% to 95% Humidity, Non-condensing
Relative Humidity	95% at 85°C
EMC	CE, FCC

Block Diagram

