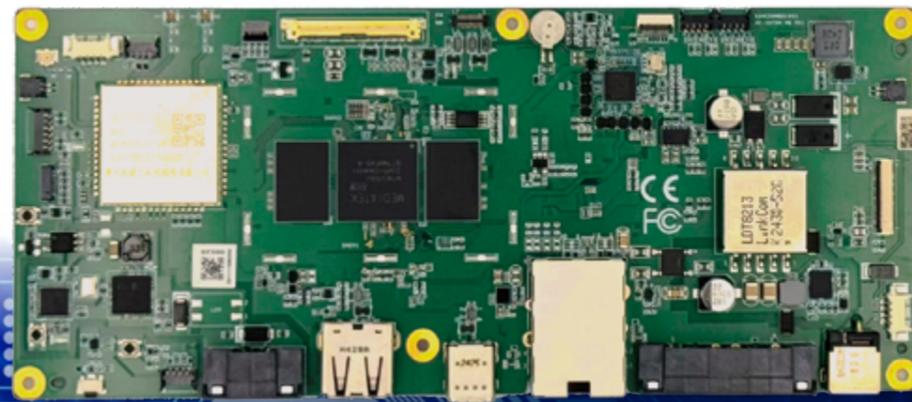


SBC-1070M

10.1" MTK Embedded Board

Elevate your embedded solutions with superior performance: The SBC-1070M, with its high-performance Mediatek Genio 510, is engineered for industrial/commercial applications across **Smart Home, Smart Retail, Smart Office**, and Industrial sectors. It provides responsive edge processing and advanced multimedia capabilities, suitable for high-end embedded solutions. It includes a multi-tasking OS and diverse connectivity options and supports 10.1-inch displays for demanding applications.



SOC platform	
MTK G510	
OS Support	
Android 13	
System	
CPU Processor	ARM Hexa-core Cortex- 2*A78/4*A55.
GPU	MaliG57 MC2
APU	1x MDLA3.0 + 1x VP6
Memory	LPDDR4, 4GB
Storage	32GB eMMC
VDEC	4K60, AV1/VP9/H.265/H.264
VENC	4K30, H.265/H.264
Audio DSP	HIFI-5
Ethernet	
10/100/1000M	
WLAN Connectivity	
on board Wi-Fi 6, 802.11 a/b/g/n/ac/ax+BT 5.2	
x2 I-PEX conn. for wifi antenna/ x1 I-PEX conn. for BT antenna	
PoE	
PoE 802.3at	
Display connection	
eDP	40pin X1
MIPI	24pin X1
Connection with Peripheral function moduels	
I2C for ALS sensor	(FPC-10P-P0.5) X1
I2C for Touch panel	in MIPI connector
Connection for LED Bar	4pin (SPI) X2 (Left/Right)
Audio output for Speaker	2pin(L/R) x 2 (1.5W (max) with 8 ohms)
Microphone connector	4pin X1 for DMIC
Video Input for Camera	(24DS-0.8) X 1, MIPI CSI-2,
NFC reader	(I2C/ WB_8P_P0.6mm) X1 for external module
GPIO for power/system button	
4pin X1 (2GPIO)	
I/O Interface	
USB Port	1x USB Type C (OTG/ADB) ; 1x USB Type A (2.0)
Ethernet	1x RJ45 connector with PoE 802.3at
KNX	KNX bus connection block (Red/Black), Certified KNX Stack (System B)
RS485	X1 (half duplex)
DC Jack	1x DC Jack
Power Requirement	
1x PoE 802.3at 1x DC-in, 12V/2A	

Environment	
Operating Temp.& Humidity	0~45degrees, 5% to 85%
Storage Temp.& Humidity	-20~65degrees, 5% to 90%
Mechanism	
Dimension	170mm (L) *72.8mm (W) Top side <9mm ; Bottom side <2.7mm
Display support	
Panel Size	10.1 inches
Panel Orientation	Landscape
Display Resolution	1920x 1200
Birghness (minimal)	350 cd/m2 (with touch)
Contrast Ratio	1000:1
Touch	10 points, multi-touch (PCAP)