



Features

- MediaTek Genio 700 (MT8390) 2.2GHz or MediaTek Genio 510 (MT8370) 2.0GHz processor
- 1x HDMI (4K60) + 1x HDMI (FHD60)
- LPDDR4 4000MT/s on-board 4GB
- Embedded I/O for COM, GPIO, USB, HDMI, Ethernet
- Supports M.2 E-Key (2230) for WiFi6 2T2R + BT 5.2 connectivity
- Ruggedized and Fanless Design

Specifications

System Mainboard	IBR500 SBC
Processor	MediaTek Genio 700 (MT8390) : 2x A78 2.2GHz L2 256KB, 6x A55 2.0GHz L2 128KB, shared 2MB L3 cache MediaTek Genio 510 (MT8370) : 2x A78 2.0GHz L2 256KB, 4x A55 2.0GHz L2 128KB, shared 2MB L3 cache
Chipset	Integrated
System Memory	4GB LPDDR4 on board
Graphics	ARM Mali-G57 MC3, OpenGL ES 1.1/2.0/3.2, Vulkan 1.0/1.1 ARM Mali-G57 MC2, Vulkan 1.1, OpenGL ES 3.2, and OpenCLTM 2.2
LAN	1x RJ45 GbE LAN
Expansion Slots	1x M.2 E-Key (2230) w/ SDIO, UART (for Wireless)
I/O	1x HDMI (4K60) + 1x HDMI (FHD60) 1x USB2.0 Type-A (with OTG support) + 1x USB 3.1 Type-A 1x 3.5mm Audio Stereo Mini Jack 1x 12-pin header (GPIO switch and LED) 1x Audio Line-in and Line-out (6-pin header) 1x RS232 DB9 connector
Auto Control and Monitoring	Watchdog Timer: 256 Levels, 0~128 Secs
Power Requirement	12V DC-in
Construction	SGCC
Weight	0.5kg (1.1lbs)
Chassis Color	Black
Storage	64GB eMMC on board (default)
Power Supply	60W
Mounting	DIN rail, wall mount
Dimensions	TBD
Operating Temperature	-10°C~ 50°C
Storage Temperature	-20°C~80°C (-4°F~176°F)

Relative Humidity	10%~90% (non-condensing)
Vibration	IBASE standard test
Certification	CE/ FCC Class-B
OS Support	Linux Yocto 5.15 ready Android 13 ready Support for other OS available upon request

Ordering Information

ISR500	ARM-based Media player, MediaTek Genio 510 / MT8370: 2x A78 2.0GHz L2 256KB, 4x A55 2.0GHz L2 128KB, shared 2MB L3 cache, shared, 4GB LPDDR4 on board, 64GB eMMC on board & 40W power adaptor
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Dimensions

