



## Features

- MediaTek Genio 700 (MT8390) 2.2GHz or MediaTek Genio 510 (MT8370) 2.0GHz processor
- Onboard 4GB LPDDR4 with 4000MT/s
- 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 Board	IBR500 3.5-inch 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
System Memory	Onboard 4GB LPDDR4 with 4000MT/s (default)
Storage	128GB eMMC 5.1 Flash for O.S. and 8MB SPI NOR Flash for board information
Construction	SGCC
Color	Black
Display	1x HDMI (4K60) + 1x HDMI (FHD60) 1x MIPI-DSI 1x eDP
Network	1x RJ45 GbE LAN
Watchdog	256 Levels, 0~128 secs
Front I/O	1x COM port 1x LAN port 2x HDMI 1x On/Off button 1x USB 1x USB OTG 1x DC IN power jack 1x Audio Line-in and Line-out (6-pin header)
Rear I/O	2x Antenna holes
Side I/O	1x SW Set button 1x Factory reset button 1x Audio Line-Out
Expansion slots	1x M.2 B-Key (3052) w/ SIM socket (for 5G) 1x M.2 E-Key (2230) w/ SDIO, UART (for Wireless) 1x Mini PCI-E w/ USB 2.0, SIM, PCM (for 4G/LTE)
Fanless	Yes
Dimensions (WxDxH )	155mm (W) x 100mm (D) x 36mm (H)
Mounting	DIN rail, wall mount

Operating Temperature	-40°C ~ +60°C (14°F ~ 140°F)
Relative Humidity	10%~90% (non-condensing)
OS Support	Yocto 5.15 Android 13
Certification	CE/ FCC Class-B

## Ordering Information

ISR500	MediaTek Genio 700 / MT8390: 2x A78 2.2GHz L2 256KB, 6x A55 2.0GHz L2 128KB, shared 2MB L3 cache, 4GB LPDDR4, 128GB eMMC
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