



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, 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	64GB~128GB eMMC 5.1 Flash for O.S. and 8MB SPI NOR Flash for board information
Construction	SGCC
Color	Black & Silver
Display	1x HDMI (4K60) + 1x HDMI (4K30) 1x MIPI-DSI 1x eDP (Internal I/O)
Network	1x RJ45 GbE LAN
Watchdog	256 Levels, 0~128 secs
Front I/O	1x COM port 1x LAN port 2x HDMI 1x USB Type A 1x USB OTG (Micro USB) 1x DC IN power jack
Rear I/O	2x Antenna holes
Side I/O	1x Factory reset button 1x Audio Line-Out 1x PWR On/Off button
Expansion slots	1x M.2 E-Key (2230) w/ SDIO, UART (for Wireless)
Fanless	Yes
Dimensions (WxDxH)	155mm (W) x 110mm (D) x 35mm (H)
Mounting	Desktop or wall mounting (wall mount kit included)
Operating Temperature	-10°C ~ 50°C (14°F~122°F)
Relative Humidity	5~90% @ 45°C, (non-condensing)

OS Support	Yocto 5.15 Android 13
Certification	CE / LVD / FCC Class-B (TBD)

Ordering Information

ISR500-1	MediaTek Genio 700 / MT8390: 2x A78 2.2GHz L2 256KB, 6x A55 2.0GHz L2 128KB, shared 2MB L3 cache, 8GB LPDDR4, 64~128GB eMMC
ISR500-2	MediaTek Genio 510 / MT8370: 2x A78 2.2GHz L2 256KB, 4x A55 2.0GHz L2 128KB, shared 2MB L3 cache, 4GB LPDDR4, 64GB eMMC
60W power adaptor	60W (12V @5.0A) power adaptor, bare wire type Compatible with IEC62368-1/EN62368-1
Optional Accessories	WiFi / Bluetooth module & antenna kit M.2 Wifi/BT module: A024MDWIFI0045000P or A024MDWIFI0046000P Antenna kit: A055RFAS67H600000P+A055BTC000010000P