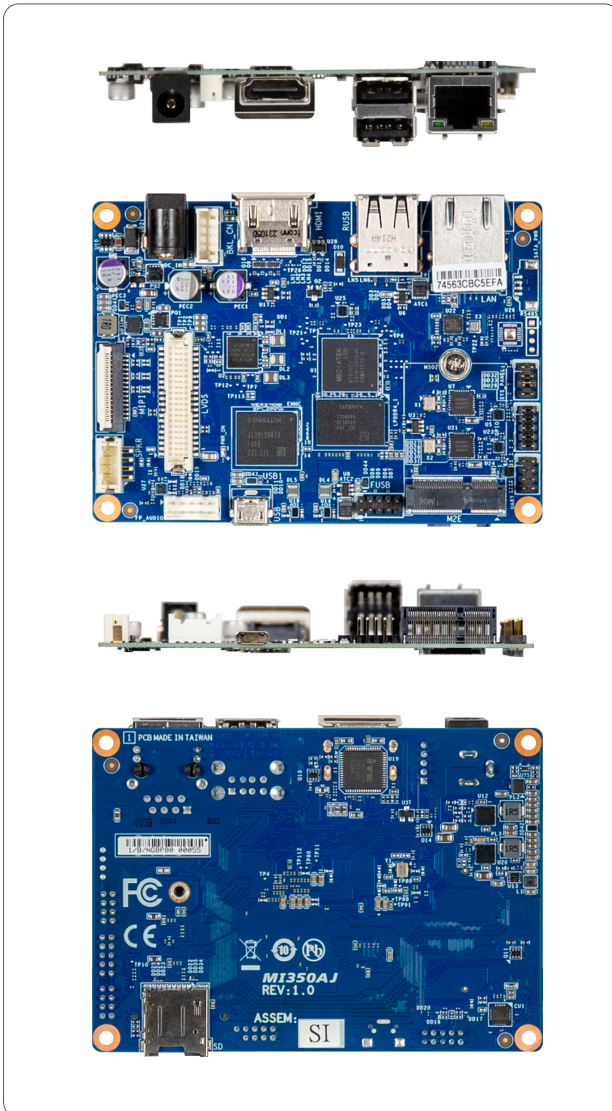


PICO-G350A (MI350AJ)

PICO-ITX with Arm® Quad-Core Cortex®-A53, Onboard LPDDR4X, eMMC 8GB, 4 x USB 2.0, 1 x USB OTG



Features

- PICO-ITX form factor
- MT8365 Arm® Quad-Core Cortex®-A53
- Onboard LPDDR4X 4GB
- eMMC 8GB
- 1 x HDMI port
- 1 x 2230 M.2 E-key for WiFi module
- 4 x USB 2.0 Ports, 1 x USB OTG
- Support Yocto OS

Expansion Slots	1 x 2230 M.2 E-Key, support AW-CB451NF-D (IEEE 802.11a/b/g/n/ac Wireless LAN 2T2R and Bluetooth 5.1 Combo Module)
Internal I/O	1 x Front panel header 1 x Front panel audio header 1 x Speaker header (2W/4ohm) 2 x UART 2 x USB 2.0 headers (host) 1 x USB 2.0 header (OTG) 1 x GPIO (8 bits) header 1 x MIPI-DSI (optional) 1 x Micro SD Slot
Front I/O	1 x OTG USB (internal micro-USB Connector)
Rear I/O	1 x DC In power jack - System adapter 12~24V 2 x USB 2.0 Ports (Host) 1 x RJ45 LAN Port 1 x HDMI
OS Compatibility	Support Yocto OS
Operating Properties	Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 0%-95% (non-condensing)
Packing Content	Carton size: 384 x 251 x 211 (mm) Packing Capacity: 20pcs Single Box size: 168 x 112 x 34 (mm)
Order Information	9MI350AJMR-SI (Box packing)

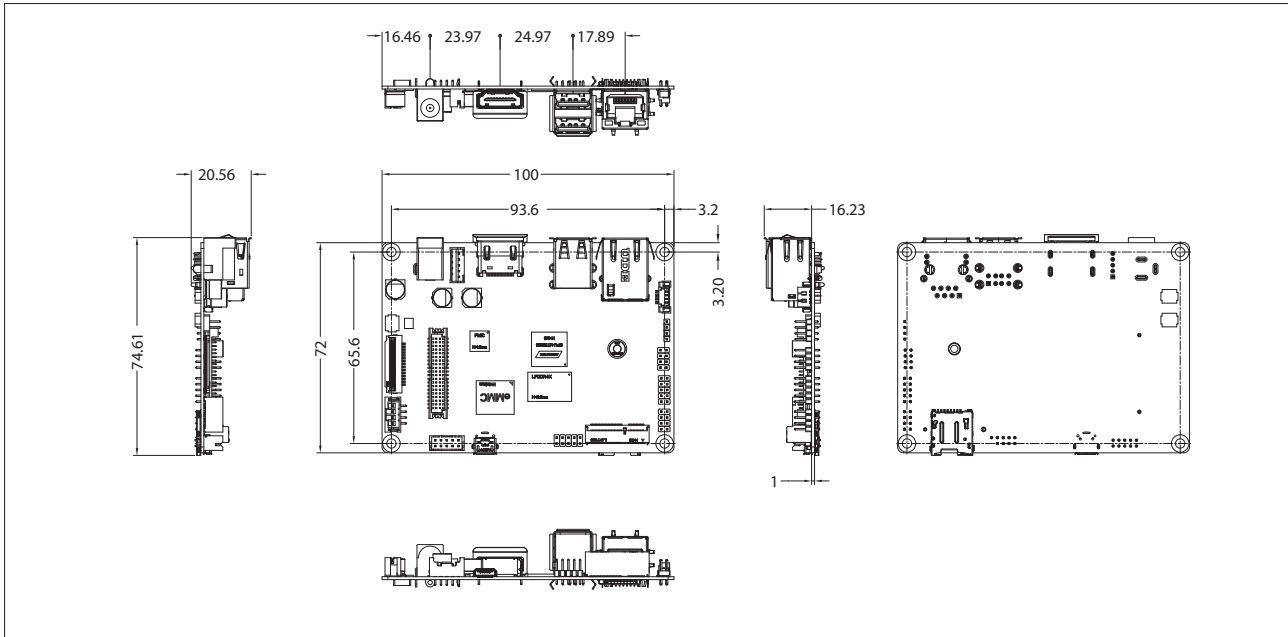
Specifications

Form Factor	PICO ITX 100W x 72D (mm)
CPU	MT8365 Arm® Quad-Core Cortex®-A53 up to 2.0GHz
Memory	LPDDR4X 4GB (on board)
Ethernet	Integrated 100M Ethernet
Video	Integrated Graphics Processor – Mali-G52: 1 x HDMI port, supporting a maximum resolution of 1280x720 or 1920x1080 (The monitor must use 30Hz to have 1920x1080 resolution) 1 x LVDS port, supporting a maximum resolution of 1366x768 @24bit or 18bit (Optional) 1 x MIPI-DSI (Optional)
Audio	Integrated - Audio codec and amplifier
Storage	eMMC 8GB (on board)

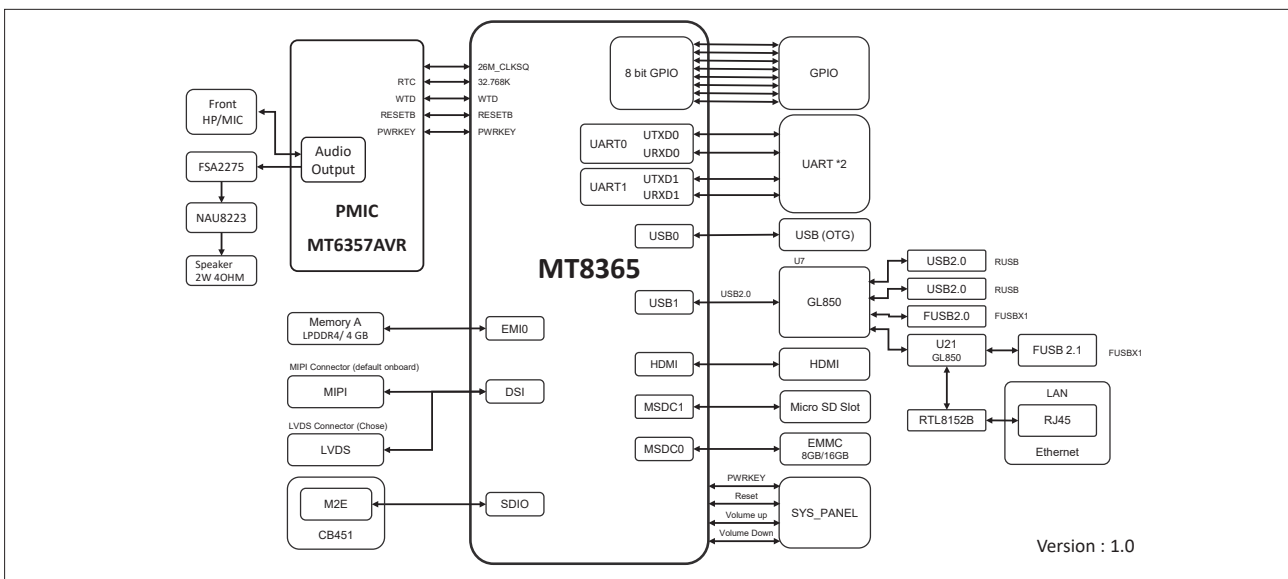
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Dimension (Unit: mm)

2026/01/28



Block Diagram



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