

Giada ARM-RK3399

ARM Motherboard with Dual HDMI Outputs



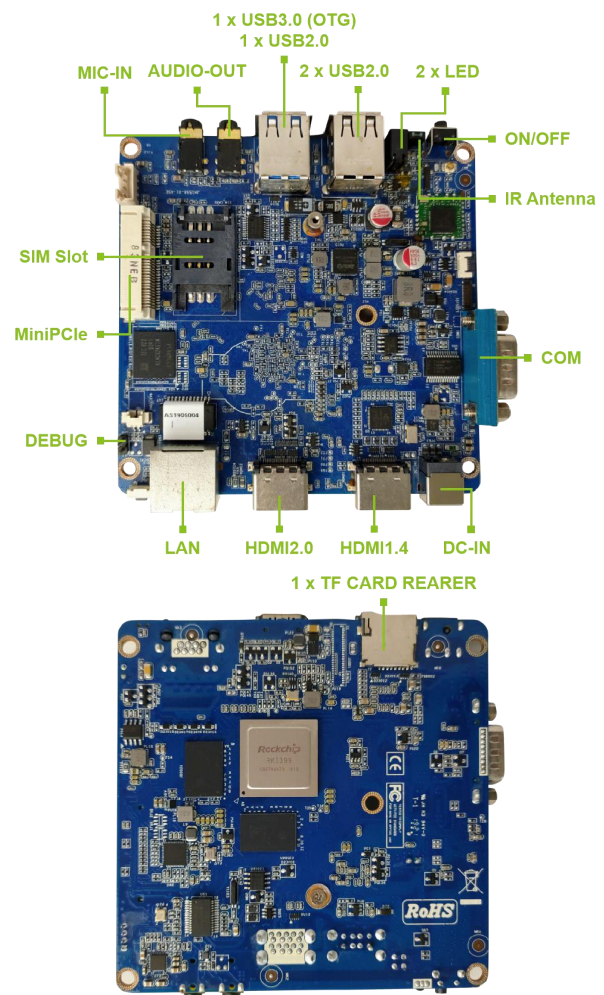
Specifications

Processor	CPU	RK3399 Dual-core Cortex-A72 and Quad-core Cortex-A53
	Frequency	Up to 1.8GHz
	Chipset	SOC
Memory	Type	LPDDR4, Supporting 2 channels
	Socket	Onboard
	Size	4GB (Optional: 2GB)
Graphics	GPU	Mali-T860MP4
	Video Decoding Capability	4K H.264/H.265 video decoder, 2196P video encoder/1080P 60FPS video decoders
Network	Controller	Realtek RTL8211E Gigabit Ethernet
	Interface	1 x RJ45
Rear I/O	USB	1 x USB 3.0 (OTG), 3 x USB 2.0
	Display Interface	1 x HDMI (Max. 4K@60Hz) 1 x HDMI (Max. 2K@30Hz)
	LAN	1 x RJ45
	Serial Port	1 x RS232
	Audio	1 x MIC-IN, 1 x AUDIO-OUT
	LED Indicators	1 x HDD LED, 1 x Power LED
	2 x LED	
Internal I/O	Display Pin Header 1	1 x MIPI LCD
	Display Pin Header 2	1 x eDP
	Mini-PCle	1 x Full-size Mini-PCle for 3G/4G
	SIM	1 x SIM Reader
	WiFi on Board	1 x WiFi Module Onboard (WiFi 5GHz) (Optional: WiFi 2.4GHz)
JAHC	WatchDog Timer	0~255 Second Time Out Support
	Auto Power On	Power Activated Automatically Start
	RTC	Set Up Independently Every day, A Week as a Cycle
	Remote Control	By IR Controller for Power ON/OFF
Storage	eMMC	Onboard, 32GB (Optional: 16GB)
	TF Card	1 x TF Card Reader
Operation System	Android	Android 7.1
Power	Power Type	DC-IN
	Power Adapter	12V/2A
PCB	Size (W x D)	101.6mm x 101.6mm (4.00" x 4.00")
	Fanless	Yes
Environment	Operating Temperature	0°C~ 40°C (32 F ~ 104 F) at 0.7m/s Air Flow
	Relative Humidity	95% @ 40°C (non-condensing)

Features

- RK3399 Dual-core Cortex-A72 and Quad-core Cortex-A53
- Onboard LPDDR4 4GB
- 1 x HDMI, Supporting 4K Display;
1 x HDMI, Supporting 2K Display
- 1 x MIPI Display I/O, 1 x eDP Display I/O
- Onboard eMMC 32GB
- 1 x USB3.0 (OTG), 3 x USB2.0, 1 x RS232
- 1 x RJ45, 1 x Mini-PCle for 3G/4G, 1 x SIM Slot

Dimensions and Drawing



Ordering Information

Part Number	Description
ARM-RK3399-3399R42E5	CPU: RK3399 Dual-core Cortex-A72 and Quad-core Cortex-A53 RAM: Onboard LPDDR4 4GB eMMC: Onboard 32GB WiFi: Onboard WiFi Module

Assured Systems

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