

- 3.5" industrial mainboard with CPU Cooler
- Allwinner ARM Cortex-A53 A64 Quad Core processor up to 1.3GHz
- Onboard 1GB DDRIII Memory and 8GB eMMC
- Support single/dual LVDS Out up to 1920 x 1200, HDMI Out at 4k, 4 Lanes MIPI DSI Out
- On-chip Mali400 MP2 GPU, support 4K H.264/H.265 video decoder
- Onboard WiFi/BT modules, mini-PCIE for 4G option with SIM slot
- Support Android6.0

Introduction

DJ-A64 is a ARM 3.5" industrial Android Motherboard based on the most cost-effective All-winner ARM Cortex-A53 64-bit A64 Quad-core processor, frequency at 1.3GHz, internally integrated Mali-400MP2 dual-core high performance image processing engine, perfectly support H.265/ H.264 video hardware decoding, 4K HDMI display output. And offers rich interfaces such as 1x LAN, 4x UART, 6x USB, MIPI / LVDS / HDMI display interfaces, MIC /headphone / Speaker out, GPIO, TF card slot and other application interfaces.

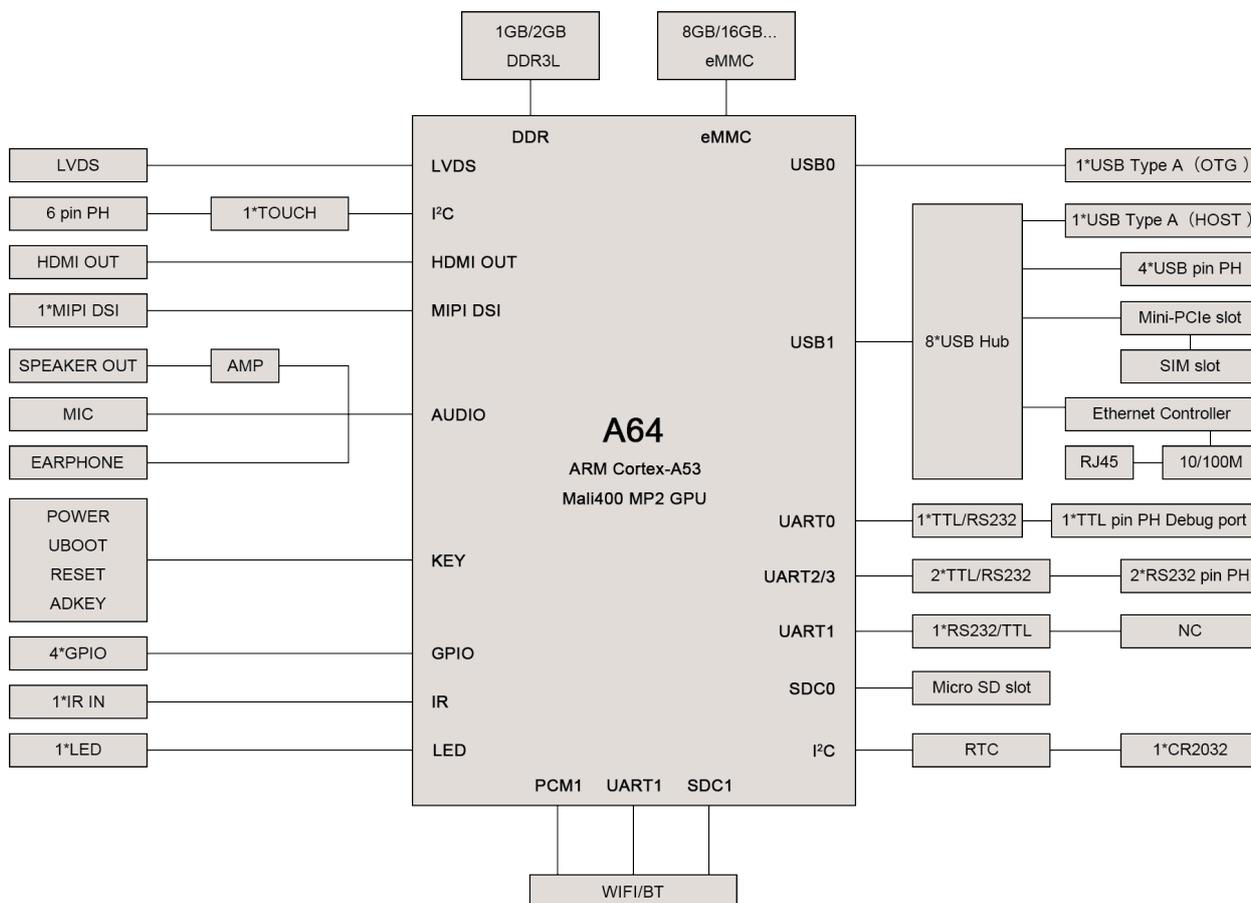
It ideal for Smart Embedded Device, Auto self-service terminal, IoT device, AI edge computer, Medical Device, Smart Home, Digital Signage, Industrial control products.

Specifications

CPU	Allwinner ARM Cortex-A53 A64 Quad Core, frequency at 1.3GHz
GPU	Mali400 MP2, Supports OpenGL ES 2.0 , Open VG1.1
Memory	Onboard 1GB DDR3 (optional 2GB)
Storage	Onboard 8GB eMMC Nand Flash (optional 16GB)
Ethernet	1x RJ45 LAN, 10/100/1000Mbps 1x Mini PCIe slot with SIM Card Slot, support 3G/4G Onboard Wi-Fi/BT Module, support 802.11 b/g/n and BT4.0
Display	1x Dual channels LVDS up to 1920*1200(30Pin header) 1x Backlight 5V/12V voltage selection (jumper) 1x Touch screen signal (I2C, 6PIN header) 1x 4 Lanes MIPI DSI interface (50PIN header with touch screen signal, backlight control) 1x HDMI Out terminal at 4k
USB	1x USB2.0 Type A 1x OTG Type A 4x USB2.0 Pin header
UART	4x 4-wire RS232/TTL, Pin header
Audio	1x 3.5mm Head phone slot 1x MIC In (2Pin header) 1x Speaker Out (4Pin header) With 2x 20W power amplifier out, support t Left and right channels

I/O	1x TF Card Slot 4x GPIO via pin header 1x Buttons (Reset Button, ADC Button, Power Button) 2x LEDs (red, blue) 1x IR circuit, support infrared remote control
RTC	Support
Sleep/ Wake up	Support
Power Supply	DC-in 12V, 1x DC-in Slot, 1x 4Pin header
Temperature	Operating Temperature: -20C° - 60C° Humidity: 5%~95%RH, no condensation
	Storage Temperature: -40C° - 85C° Humidity: 5%~95%RH, no condensation
Dimensions (W x D)	146 x 102mm
OS	Android 6.0

Block Diagram



Size&Interface

