

- Standard 3.5-inch industrial ARM Single Board Computer with CPU cooler
- Dual Channel 30/24/18bit LVDS, HDMI1.4 4k x 2k at 60Hz, eDP 4k x 2k @30fps, support HDMI
- Support 4K H.265/H.264 video decoder
- Onboard WiFi/BT modules, mini-PCIE for 4G option with SIM slot
- 6x USB2.0, 6x UART, 1x GbE Lan, 1x TF Slot
- Support Android 7.1 and Android 5.1

Introduction

DJ-3288A is a standard 3.5" industrial Android Motherboard based on Rockchip RK3288 Quad Core ARM Cortex-A17 processor, frequency at 1.8GHz, on-chip Mali-T764 GPU, perfectly support for 4K H.265 hardware decoding. And provides a series of industrial interfaces including Gbit Ethernet, UART, USB, MIPI / LVDS / eDP, MIC / headphone / amplifier audio interfaces and many more.

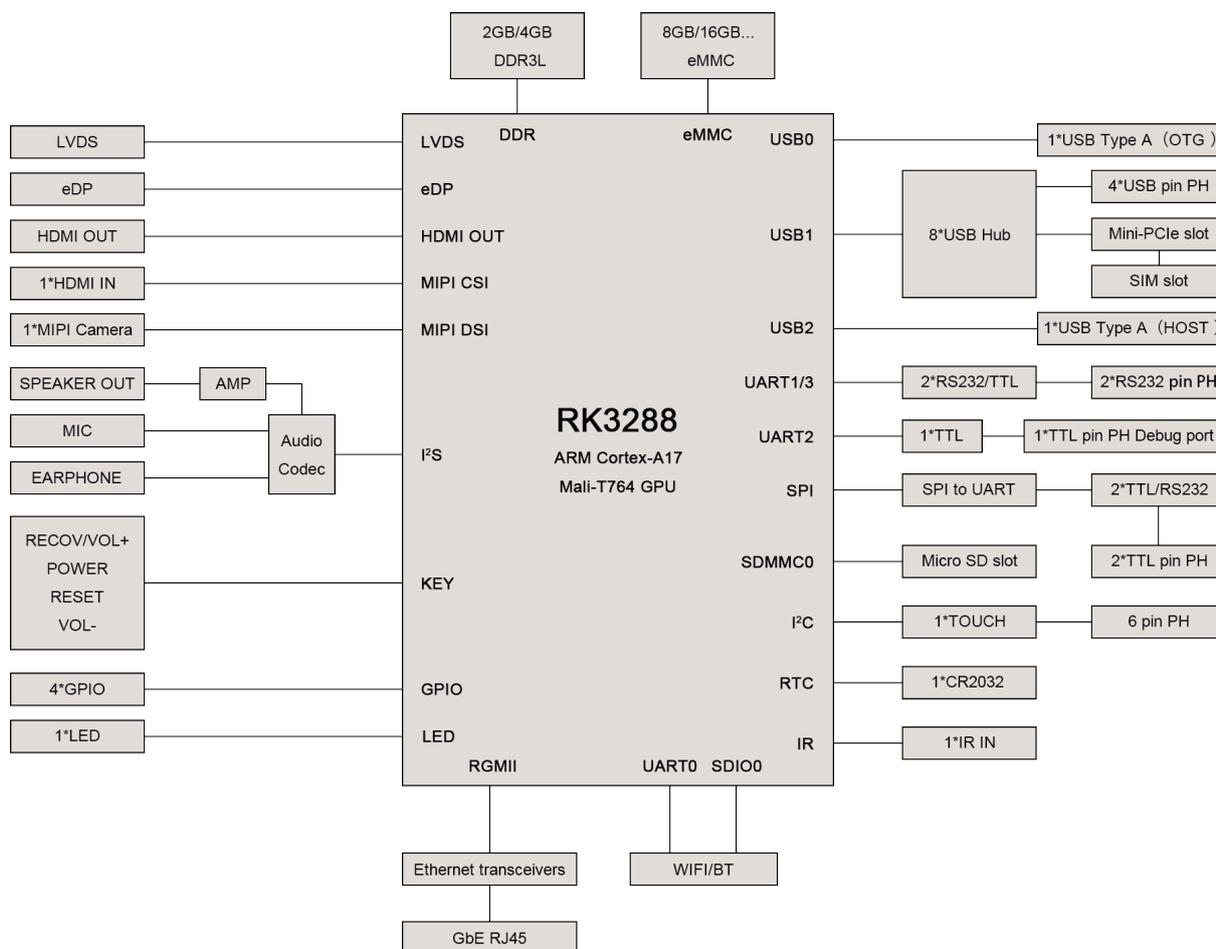
It ideal for Smart Embedded Device, Self-service terminal, IoT device, AI edge computer, Medical Device, Smart Home, Digital Signage, Industrial control products and much more.

Specifications

CPU	Rockchip ARM Cortex-A17 RK3288 Quad-core processor, frequency at 1.8GHz
GPU	Mali-T764 GPU, support 4K, H.265/H.264 hardware decoder
Memory	Onboard 2GB DDR3, optional 4GB
Storage	Onboard 8GB eMMC Nand Flash, optional 16GB, 32GB, 64GB
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 30/24/18-bit LVDS with 1920*1080 for dual channels at 60Hz(30Pin header) 1x Backlight 5V / 12V voltage selection (Jumper) 1x Touch screen signal (I2C, 6Pin header) 1x eDP (20Pin header) 1x Dual 4 Lane MIPI DSI (50Pin header) 1x HDMI OUT, up to 3840*2160 at 60Hz 1x HDMI IN(24Pin header)
USB	1x USB2.0 Type A 1x USB2.0 Type A(Host/OTG optional) 4x USB Pin header
UART	4x 4-wire RS232/TTL, Pin header
Audio	1x 3.5mm Head phone slot 1x MIC In(2Pin header) 1x Speaker interface (4Pin header) With power amplifier circuit

Other I/O	1x TF Card slot 1x MIPI Camera Interface (4 Lanes 30Pin header) 4x GPIO via pin header 1x Buttons (volume plus/minus button, reset 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° - 60C° Humidity: 5%~95%RH, no condensation
Dimensions (W x D)	146 x 102mm
OS	Android 7.1 and Android 5.1

Block Diagram



Size&Interface

