Introduction

DJ-3288A is a standard 3.5 " industrial single board computer based on Rockchip RK3288 quad-core ARM Cortex-A17 processor, frequency at 1.8GHz, internally integrated Mali-T764 GPU, perfectly support for 4K, H.265 hardware decoding. And provides a series of peripheral interfaces including gigabit ethernet port, 4 serial ports, 6 USB ports, MIPI / LVDS / eDP multi-display interfaces, MIC / headphone / amplifier audio interfaces, which is fully suitable for the various needs of different areas in industrial host, embedded smart device, machine vision, face recognition device, UAV, instrumentation, smart home, medical device, smart vending machine, advertising machine, interactive self-service terminal, games, etc.
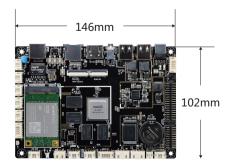
Features

◆ Standard 3.5-inch industrial Android motherboard with excellent stability and reliability

◆ Provide a variety of display interfaces such as LVDS, MIPI, eDP, HDMI. Support for dual screen different display.

◆ 4K full HD video hardware decoding performance

◆ Flexible wireless connectivity options, on-board optional 4G, WIFI / BT wireless communication modules

◆ Perfectly support Android7.1, Android5.1 operating system. Provide system call interface APIDEMO code to support the upper application and APP developmen

Specification

CPU	Rockchip ARM Cortex-A17 RK3288 quad-core processor, frequency at 1.8GHz
GPU	Mali-T764 GPU, support 4K、H.265 hardware decoding
RAM	Standard 2GB DDR3
ROM	Standard 8GB eMMC

LAN	1* Gigabit Ethernet port, RJ45 terminal 1* MINI PCIe card slot, support for 3G / 4G, with SIM card slot 1* WIFI/BT combo module (optional)
Display Interface	1* Dual channels LVDS Interface (30PIN socket) 1* backlight 5V / 12V voltage selection (jumper) 1* touch screen signal (I2C, 6PIN socket) 1* Dual 4 Lane MIPI DSI Interface (50PIN socket) 1* eDP interface (20PIN socket) 1* HDMI OUT terminal 1* HDMI IN interface (24PIN socket)
USB 2.0 HOST/OTG	1* USB 2.0 HOST TYPE A 1* USB 2.0 OTG Type A (Also as the main equipment) 4* USB 2.0 HOST (Hub Expansion, socket)
UART Serial	4* RS232/TTL (4PIN socket) 2* TTL interface (multiplexed) 1* TTL debug interface (UART2)
Audio	1* headphone holder (3.5mm, stereo, microphone input) 1* speaker interface (4PIN socket) With power amplifier circui
Peripheral Interface	1* MIPI Camera Interface (4 Lanes 30 PIN socket) 1 group of GPIO interface (socket) 1 group of buttons (volume plus/minus / reset / power button) 1 LED light (red, blue) 1* IR circuit, support infrared remote control
RTC	Support
Dual screen different display	Support
Sleep / Wake up	Support
Electrical Feature	Power supply：DC 12V
Work Env.	Temperature: -20~60C°, Humidity: 5%~90%RH@31C°, no condensation
Storage Env	Temperature: -40~85C° Humidity: 5%-95%RH@39C°, no condensation
OS	Android 7.1、Android 5.1optional

Size

146mm

102mm