



Introduction

DJ-AM335X, with the standard design of 3.5-inch industrial motherboard, is based on the ARM Cortex-A8 kernel architecture processor of TI (Texas Instruments). This board features a high level of integration, low power consumption and high performance. The rich application interfaces can meet the requirements of the target system fully, which can be widely used in the field of embedded device, smart terminal, industrial control, power system, data acquisition, machine vision, industrial IOT, mobile internet devices, etc.

Features

- ◆ The most cost-effective Linux industrial motherboard
- ◆ Be in strict accordance with the manufacturing process of industrial motherboard, with the features of high reliability and stability
- ◆ With rich application peripheral interfaces, two-way 1Gbps standard RJ45 Ethernet port, CAN bus, RS485 serial port, LVDS display interface
- ◆ On board optional 4G, WIFI / Bluetooth mobile communication modules
- ◆ Perfectly support Linux3.2 operating system, providing system call interface API DEMO code to support the upper application APP development

Specification

CPU	TI AM335X processor, based on ARM Cortex-A8 architecture, the system frequency up to 1GHz
CPU	POWERVR SGX530 Processing Engine
Memory	Standard with 512MB DDR3
Storage	Standard with 1GB SLC NANDFLASH
Network	2*Gigabit Ethernet port , standard RJ45 interface
Display Interface	1*LVDS display interface
Touch Screen Interface	Can be connected to USB or I2C interface resistive or capacitive screen
I/O Interface	6x USB Host2.0 (Four of which are 4 pins socket) 5x UART serial port (1 of which is RS485) 1x CAN bus 16x GPIO
4G	On-board standard MINI PCIE card slot, support 3G/4G module
WiFi/BT	1*WIFI/BT combo module (optional)
TF Card	Support
Audio	1*HEADPHONE JACK , 1*MIC , 1*SPEAKER OUT Support recording, playback, amplifier
Sensor	On-board temperature sensor
RTC	Onboard RTC circuit with 1*backup lithium battery
LED	On-board one group of controllable two-color indicator
Power	Standard DC Jack Power block, DC 12V power supply
Work Env.	Temperature: -20~60°C Humidity: 5%~90%RH@31°C, no condensation
Storage Env.	Temperature: -40~85°C Humidity: 5%~95%RH@39°C, no condensation
OS	Linux 3.2

Size

