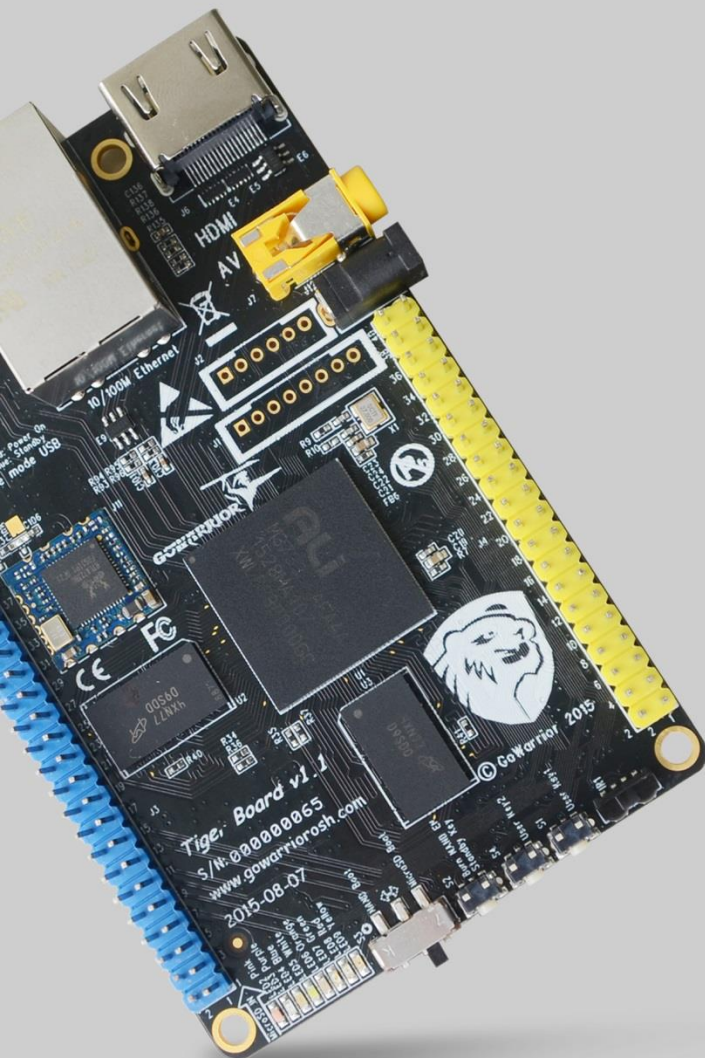




TIGER



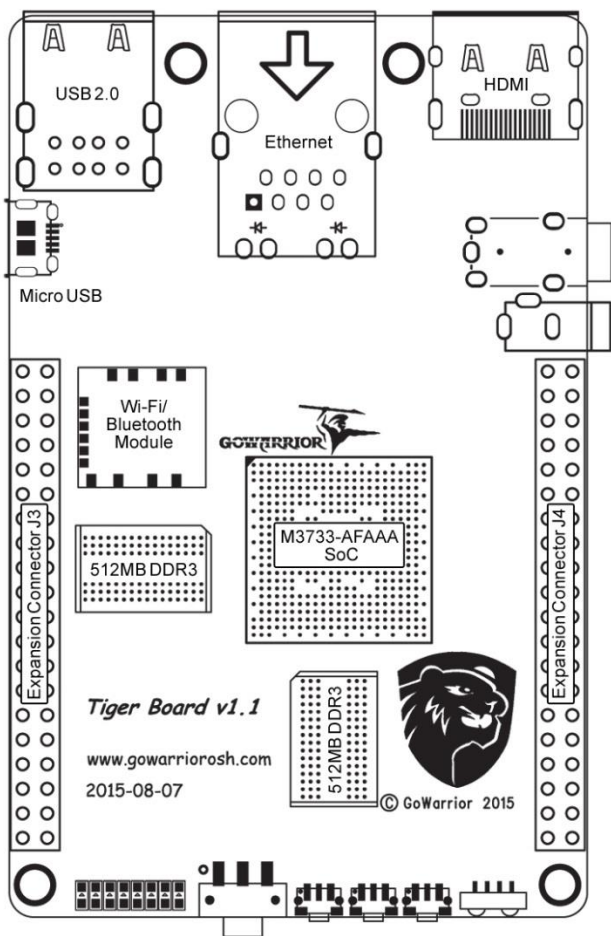
TIGER BOARD DATA SHEET

V1.1

Overview

What is the TIGER Board?

GoWarrior is a compact, open-source, community-supported embedded Android/Linux computing platform. TIGER Board is the highly integrated and powerful development board of GoWarrior. The current version of the TIGER Board is v1.1.



Features

- **Main Chip**

Ali M3733-AFAAA SoC, as the main chip of the TIGER Board, contains a powerful dual-core 1GHz ARM Cortex A9 processor and ARM Mali-400 MP2 GPU.

- **Memory**

The TIGER Board has 1GB DDR3 with dual-channel, 1600MT/s.

- **Storage**

There are on-board 4GB NAND Flash and a MicroSD slot which supports up to 64GB MicroSD card.

- **Ethernet**

The board offers an RJ45 connector for 10/100M Ethernet access.

- **Wi-Fi/Bluetooth**

TIGER Board also provides on-board 802.11b/g/n Wi-Fi and Bluetooth 4.0 combo module.

- **USB**

TIGER Board supports 2 USB Type A Host ports. These two ports can be used to connect USB peripherals (e.g. keyboard, mouse, webcam).

There is also a Micro USB port for 5V power supply and for USB device mode (e.g. USB ADB, NAND Flash burning).

- **HDMI**

For high definition output to Television, the HDMI port supports the following resolutions: 720 x 480, 720 x 576, 1280 x 720, and 1920 x 1080. The board also supports CEC and HDCP.

- **A/V Jack**

There is a 3.5mm Jack socket which carries both stereo audio and composite video signals simultaneously.

- **Expansion Connectors**

Two 40-pin (2x20, 0.1") male headers, J3 and J4, are multiplexed to provide access to the features. J3 is compatible with Raspberry Pi.

- **Serial Ports**

UART in J3 and J4 expansion connectors can be connected to the serial console and Arduino Boards respectively.

- **Other Debug**

There is one JTAG connector reserved on the board, but requires additional hardware and software.

- **LEDs**

There are total of 11x LEDs on TIGER Board to indicate different statuses:

1 double color LED indicates the Power/Standby status. LEDs (Red: Power, Blue: Standby)

8 LEDs for users (Pink, Purple, Blue, White, Orange, Green, Red, Yellow), 4 LEDs of them indicating booting and running status by default.

2 LEDs are on the RJ45 Ethernet socket (Yellow: 100M link up, Green: Traffic)

- **Button/Switch**

Boot switch: Choose to boot from NAND Flash or MicroSD card.

Burn NAND & Standby Button: Trigger the TIGER Board standby or resume. It can also be used to burn NAND Flash.

User button 1& 2: User-defined buttons.

- **IR Receiver**

An on-board IR receiver supports infrared remote control.

TIGER Board Key Components

