



# GoBian

Release Notes

v1.0



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# 1 Introduction

GoBian 1.0 is a Linux-embedded operating system running on TIGER Board for the GoWarrior platform.

GoBian 1.0 is developed based on Raspbian which is from Debian 7 wheezy armhf, and differs from Raspbian for the extra features, for example, GoBian encapsulates the RPi.gpio and other I/O libraries to facilitate transplanting projects which use the related libraries from Raspberry Pi to TIGER Board. Furthermore, GoBian provides support for multimedia by integrating GOF, Kodi and other middleware modules and applications out-of-the-box.

You can get all components of this release by Git. The following table lists the independent components included in this release.

Component	Description
GoBian Image	A pre-built image file of GoBian for TIGER Board. MD5 Hash: dea767c8806bbbe822fcf078baed34c5

**Table 1. GoBian Component List**

# 2 Requirements

GoBian 1.0 requires TIGER Board v1.1.

# 3 What's Supported in This Release

The following features are included in GoBian 1.0:

- **Networking & Remote Access**

GoBian enables the Internet connection through Ethernet or Wi-Fi through the Ethernet port and Wi-Fi module on TIGER Board, and thus supports various methods to access to your projects and transfer data, such as FTP, SSH.

- **Timekeeping**

GoBian automatically synchronizes the system time with Internet time servers using the NTP protocol.

- **File System**

GoBian integrates a built-in file system to facilitate your data management.

- **Built-in Programming Environments**

C, C++, Python, Perl, and shell script.

- **I/O Interfaces**

GoBian lets you call the GPIO/I2C/UART/SPI interfaces directly in your projects with the built-in RPi.gpio and other libraries.

- **Multimedia**

GoBian makes it easy for the secondary development of multimedia applications with the customized GOF middleware for TIGER Board.

- **Multitasking**

The on-board ALi's M3733-AFAAA processor makes GoBian a multitasking system with good performance.

- **Linux Software**

The software programs that are available for Debian are basically compatible with GoBian.

- **Low-Power Sleep Mode**

GoBian supports the ultra-power-saving sleep mode (PMU Standby), with the entire board power consumption as low as 0.35W.

- **Multi-Screen Sharing**

GoBian integrates with [DLNA](#) to fully support the multimedia sharing and multi-screen interaction.

- **Community Support**

The GoWarrior community is already launched to support your projects with GoBian.

# 4 Installation and Usage

*Getting Started with GoBian* describes how to install GoBian to a MicroSD card, and run GoBian on TIGER Board.

Note the following important information before running GoBian on the board:

1. Installing GoBian to TIGER Board does not delete the default operating system GoDroid of the board.
2. The MicroSD card with NTFS file system will be mounted as read-only by GoBian.



# 5 Product Documentation

The following documentation is included with this release:

No.	Document Name	Description
1	GoBian Release Notes v1.0	This document.
2	GoBian Datasheet v1.0	Specifies the detailed features in this release.
3	Getting Started with GoBian v1.0	Introduces how to install and use GoBian.

**Table 2. GoBian Documentation List**

# 6 Technical Support and Product Updates

For further information or to report any problems,  
contact [support@gowarriorosh.com](mailto:support@gowarriorosh.com).

# Revision History

## Document Change History

Revision	Changes	Date
v1.0	Initial Release	December 18, 2015

Table 3. Document Change History

## Software Changes

Revision	Changes	Date
v1.0	Initial Release	December 11, 2015

Table 4. Software Change History



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