GoDroid

Peripherals List

v1.0

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Preface

Overview

This manual provides the list of specific peripherals compatible with TIGER Board and which appear to work fault-free.

Audience

This manual is applicable for the users who wish to connect peripherals with TIGER Board.

Applicable Products

This manual is applicable for the GoWarrior TIGER Board.

Reference Documents

N/A

Conventions

Typographical Conventions

Item	Format
codes, keyboard input commands, file names, equations, and math	Courier New, Size 10.5
Variables, code variables, and code comments	*Courier New, Size, Italic*
Menu item, buttons, tool names	Ebrima, Size 10.5, Bold e.g. Select USB Debugging
Screens, windows, dialog boxes, and tabs	**Ebrima, Size 10.5, Bold** **Enclosed in double quotation marks** **e.g. Open the "Debug Configuration" dialog box**

Table 1. Typographical Conventions

Symbol Conventions

Item	Description
⚠*Caution*	Indicates a potential hazard or unsafe practice that, if not avoided, could result in data loss, device performance degradation, or other unpredictable results.
Note	Indicates additional and supplemental information for the main contents.
Tip	Indicates a suggestion that may help you solve a problem or save your time.

Table 2. Symbol Conventions

How to Contact Us

Submit all your comments and error reports to the author at:

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For questions regarding GoWarrior, contact our support team at the email listed below:

support@gowarriorosh.com

1 List of Tested TVs/Monitors/Display Adapters

The table below shows a list of TVs/monitors/display adapters that have been tested and therefore deemed compatible with TIGER Board. The following list is not thorough and complete by any means; the board may work with other TVs/monitors/display adapters but haven't been tested yet.

Manufacturer	Model	720x480i 29.97 Hz	720x480p 59.94 Hz	720x576i 25 Hz	720x576p 50 Hz	1280x720p 50 Hz	1280x720p 60 Hz	1920x1080i 25 Hz	1920x1080i 30 Hz	1920x1080p 25 Hz	1920x1080p 30 Hz	1920x1080p 50 Hz	1920x1080p 60 Hz	1920x1080p 24 Hz
TCL	L50E5620A-3D 4K	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pangoo	LE-24S31FC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
Samsung	LA22B350F2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hisense	TLM40V68PK	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sony	KLV-20S400A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Sony	KLV-26BX200	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Changhong	LT22810	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
Changhong	LED24B1000M	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp	LCD-52LX830A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Skyworth	47E600Y	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?
Skyworth	24S19IW	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Skyworth	19E10HM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes
BOE	LC-26W88	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
Philips	19PFL3120/T3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Philips	24PFL3545/T3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Panda	LE24M19	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Panda	LE22M16	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
TCL	L19P21	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
ROWA	LCD19R09	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
ROWA	LED19C300A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
Konka	LED23HS95	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No

Manufacturer	Model	720x480i 29.97 Hz	720x480p 59.94 Hz	720x576i 25 Hz	720x576p 50 Hz	1280x720p 50 Hz	1280x720p 60 Hz	1920x1080i 25 Hz	1920x1080i 30 Hz	1920x1080p 25 Hz	1920x1080p 30 Hz	1920x1080p 50 Hz	1920x1080p 60 Hz	1920x1080p 24 Hz
Horizon	24L32F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HKC	F24PA1100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 3. List of TVs/Monitors/Display Adapters

2   List of Tested MicroSD Cards

The table below shows a list of microSD cards that have been tested and therefore deemed compatible with TIGER Board. The following list is not thorough and complete by any means; the board may work fine with other microSD cards but haven't been tested yet.

Classification	Manufacturer	Speed Class	Type	Capacity	File System
microSD	SanDisk	Class 10	SDHC 1	16 GB	FAT32
microSD	Kingston	Class 4	SDHC	8 GB	FAT32
microSD	Team	Class 4	SDHC	8 GB	FAT32
microSD	Samsung	Class 10	SDHC 1	16 GB	FAT32
microSD	SanDisk	Class 4	SDHC 1	8 GB	FAT32
microSD	Sony	Class 10	SDHC 1	16 GB	FAT32
microSD	PNY	Class 4	SDHC 1	8 GB	FAT32
microSD	Samsung	Class 4	SDHC	8 GB	FAT32
microSD	Pretec	Class 0	--	1 GB	FAT32
microSD	Nokia	Class 0	--	512 MB	FAT32
microSD	Toshiba	Class 10	SDHC 1	16 GB	FAT32
microSD	OV	Class 10	SDHC 1	16 GB	FAT32
microSD	Gigastone	Class 4	SDHC 1	8 GB	FAT32

Classification	Manufacturer	Speed Class	Type	Capacity	File System
microSD	KDATA	Class 10	--	16 GB	FAT32
microSD	ADATA	Class 10	SDHC 1	64 GB	exFAT
microSD	Microflash	Class 10	SDHC 1	16 GB	FAT32
microSD	Transcend	Class 10	SDHC 1	32 GB	FAT32
microSD	Maxell	Class 4	--	8 GB	FAT32

Table 4. List of MicroSD Cards

Note:

Do not push in or pull out a microSD card while the TIGER Board is connected with the power supply, as this is likely to corrupt the microSD card data.

3 List of Tested USB Flash Drives

The table below shows a list of USB flash drives that have been tested and therefore deemed compatible with TIGER Board. The following list is not thorough and complete by any means; the board may work fine with other USB flash drives cards but haven't tested yet.

Manufacturer	Product	USB Standard	Capacity
PNY	Gemini	USB 2.0	8 GB
Toshiba	U2PG	USB 2.0	16 GB
Kingston	DT101	USB 2.0	8 GB
Eaget	--	USB 2.0	4 GB
Kingston	DT microDue	USB 2.0	16 GB
Sony	--	USB 2.0	8 GB
SanDisk	Cruzer Blade	USB 2.0	4 GB
Conax	--	USB 2.0	2 GB

Table 5. List of USB Flash Drives

4 List of Tested USB Hard Disks

The table below shows a list of USB hard disks that have been tested and therefore deemed compatible with TIGER Board. The following list is not thorough and complete by any means; the board may work fine with other USB hard disks but haven't tested yet.

Manufacturer	Capacity	File System
TOURO	1 TB	NTFS
Seagate	1 TB	NTFS
EAGET	1 TB	NTFS
Toshiba	1 TB	NTFS
Sony	1 TB	NTFS
Netac TM	500 GB	NTFS

Table 6. List of USB Hard Disks

5 List of Tested Sensors

The table below shows a list of sensors that have been tested and therefore deemed compatible with TIGER Board. The list is not thorough and complete by any means; the board may work fine with other sensors but haven't tested yet.

Bus Type	Manufacturer	Model	Type
SPI	Maxim Integrated	MAX31855	Temperature sensor
	MEAS	MS5611	Air pressure sensor
I2C	InvenSense	MPU6050	Gyro + Accelerometer
UART	Beijing Yu tone World Technology Co., Ltd.	SYN6658	Speech synthesis chip
GPIO	--	HC-SR04	Ultrasonic transducers
	--	HC-SR501	Infrared motion detector

Table 7. List of Sensors

6 List of Tested Webcams

The table below shows a list of webcams that have been tested and therefore deemed compatible with TIGER Board. The list is not thorough and complete by any means; the board may work fine with other webcams but haven't tested yet.

Manufacturer	Model	Photo Capture	Video Streaming
Logitech	C920	OK	OK
Logitech	C170	OK	NG
Logitech	C160	OK	NG
Unifly	3900+	OK	NG
Unifly	V8	OK	NG
Bainaotong	D881	OK	NG
Dostyle	CA101	OK	NG

Table 8. List of Webcams

Note:

For video streaming, current version of GoDroid needs webcam to have video encoder itself, and we will improve it in future version.

Appendix: Glossary

Abbreviations	Full Form
Hz	Hertz
SDHC	Secure Digital High Capacity
SPI	Serial Peripheral Interface
I2C	Inter-Integrated Circuit
UART	Universal asynchronous receiver/transmitter
GPIO	General-purpose input/output
NG	Next generation

Table 9. List of Definitions/Abbreviations

Revision History

Document Change History

Revision	Changes	Date
v1.0	Initial Release	October 30, 2015

Table 10. Document Change History

Software Changes

Revision	Changes	Date
v1.0	Initial Release	September 07, 2015

Table 11. Software Change History

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