

IDO-EVB3588S-V1 Linux开发手册

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IDO-EVB3588S-V1

开发手册

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文档修订历史

版本	PCBA版本	修订内容	修订	审核	日期
V1.0	V1C	创建文档	MHK	IDO	2024/09/20

1. 源码获取编译

源码下载路径:<https://pan.baidu.com/s/1So9FiDBczWSFloV3juQ3zQ?pwd=1234>

密码: 1234

2. 一键编译

一键编译脚本

```
Shell |
1  mhkwork@dell-PowerEdge-R430:~/work/rk/rk3588/ido-evb3588-v1c/evb3588-sdk-v
   1d/rk3588_linux_230204$ ./build.sh lunch
2
3  You're building on Linux
4  Lunch menu...pick a combo:
5
6  0. default BoardConfig.mk
7  1. BoardConfig-ab-base.mk
8  2. BoardConfig-evb3588-2hdmi-buildroot.mk
9  3. BoardConfig-evb3588-2hdmi-debian.mk
10 ...
11 18. BoardConfig-evb3588-2hdmi-xiongdi.mk
12 19. BoardConfig-evb3588s-edp_1920x1080.mk
13 20. BoardConfig-evb3588s-hdmi.mk
14 21. BoardConfig-evb3588s-lvds_1920x1080.mk
15 22. BoardConfig-evb3588s-mipi1_1200x1920.mk
16 ...
17 Which would you like? [0]: 20
18 switching to board: /mnt/5c953a98-9ee6-45b9-8cea-a2898eb313d7/mhk/rk/rk358
   8/ido-evb3588-v1c/evb3588-sdk-v1d/rk3588_linux_230204/device/rockchip/rk35
   88/BoardConfig-evb3588s-hdmi.mk
19
20 mhkwork@dell-PowerEdge-R430:~/work/rk/rk3588/ido-evb3588-v1c/evb3588-sdk-v
   1d/rk3588_linux_230204$ ./build.sh
```

3. 分步编译

3.1 uboot编译步骤

进入 sdk 根目录执行命令

```
Shell |
1  $ ./build.sh uboot
```

3.2 kernel编译步骤

内核配置文件路径: kernel/arch/arm64/configs/rockchip_linux_defconfig

设备树文件路径: kernel/arch/arm64/boot/dts/rockchip/

```
▼ Shell |
1 $ ./build.sh kernel
```

编译完成后，kernel 根目录，生成 boot.img 文件

注：RK3588S 不用配置电压域

3.3 buildroot编译步骤

```
▼ Shell |
1 $ ./build.sh rootfs
```

3.4 固件打包

编译完成后，将所有分区镜像合并成单个的镜像:

```
▼ Shell |
1 $ ./build.sh updateimg
```