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krtkl.com

snickerdoodle Ubuntu 16.04 SD Card README
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The BOOT partition of this SD card (where this file is located) must contain the bootable components for the snickerdoodle and/ or baseboard that the card will be used on. The BOOT partition contains a set of folders; each with the necessary boot components for a single system. To configure the SD card for the corresponding system, copy the contents of the folder into the top level of the BOOT partition.

Boot Components
================================

By default, this SD card image contains the Linux kernel, U-Boot script and a couple of configuration files at the top level directory. These are files that are normally used by all configurations, although some customization may be desired to fit a specific application.

This un-configured SD card image does have the necessary bootloader or devicetree at the top level directory to boot the system. Before attempting to boot with this SD card, a boot.bin (bootloader) and devicetree.dtb (devicetree) must be added. To use a pre-built configuration, simply copy the contents of the directory to the top level of the BOOT partition. Below is an overview of the top-level files that should be found in the BOOT partition before booting:

boot.bin*
devicetree.dtb*
system.bit**
uImage
uEnv.txt
config.txt
uboot.scr

* Needs to be copied before booting
** Optional, needs to be copied before booting

Prebuilt Configurations
================================

The BOOT partition of this SD card contains basic configurations
for each snickerdoodle variant and various baseboards. Each
configuration is represented by a directory containing the boot
files. To boot a prebuilt configuration, copy the contents of
the directory to the top level of the BOOT partition and insert
the SD card into J6 on the snickerdoodle.

snickerdoodle Configuration
================================

The config.txt file is used by the Linux init scripts to
configure users and network settings. This file can be used to
pre-configure the wireless access point and/or station network
settings before booting. It can also be used to pre-configure
user passwords in anticipation of remote login. See the
config.txt file for details on setting network and system
configuration parameters.

Additional Configuration
================================

The uEnv.txt file contains additional configuration options such
as setting the ethernet MAC (hardware) address and specifying
the boot arguments. This file is read by U-Boot and can be used
to specify a bitstream (system.bit by default) to be loaded by
U-Boot.