

OPEN SOURCE SOFTWARE NOTICE

DCS SmartTouch Softwareversion V01.00.XX

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2 Überblick über die Systemarchitektur

Das Android System in der DCS SmartTouch Firmware besteht aus den folgenden Komponenten

- Boot-Loader (U-Boot, inkl. patches)
<http://www.denx.de/wiki/U-Boot>
https://github.com/TinkerBoard/android-7.1.2_u-boot/
 Lizenz: GPLv2
 Version: 2014-10 / commit f23924cef07475f9aec003f2ed42bcf205063b1a
- Operating System Kernel (Linux 4.4.154 inkl. patches)
 Copyright © by Linus Torvalds and the people who actually wrote the code
 Lizenz: GPLv2
<https://github.com/rockchip-linux/kernel.git>
 Version: 4.4.154 / commit 28c018740a5b4eea52017150363d747dd09bd008

Touch Screen I2C Driver for EETI Controller - Kernel Treiber zur Touch Ansteuerung
 Copyright (C) 2000-2019 eGalax_eMPIA Technology Inc.
 Lizenz: GPLv2
 Version: 2019/01/19

GPIO Bridge - Android zu Kernel GPIO Brücke
 Copyright (c) 2018, Q-loud GmbH. All rights reserved.
 Lizenz: GPLv2
 Version: 1

v153l0x Proximity Kernel Treiber
 Copyright 2016, STMicroelectronics International N.V.
 Lizenz: Propriäter / use-as-is
 Version: 1.0.2

- Laufzeit-System („root Filesystem“) mit Programmen, Hilfsdateien und Bibliotheken

3 Software-Komponenten im Laufzeit-System

Das Laufzeit-System wird über das Android Open Source Project build system erzeugt. Alle benötigten Open Source Komponenten werden über das entsprechende Skripte eingebunden und aus dem Original-Sourcecode erzeugt.

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- jSerialComm, libjSerialComm
Fundstelle: <https://fazecast.github.io/jSerialComm/>
Lizenz: LGPLv3 / Apache v2
Verwendung: JNI Schnittstellen zur seriellen Kommunikation unter Android
Version: 2.4.2

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```
// SPDX-License-Identifier: GPL-2.0+  
/*  
 * (C) Copyright 2001-2015  
 * Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
 * Joe Hershberger, National Instruments
```

1.2 Linux Kernel

```
Copyright © by Linus Torvalds and the people who actually wrote the code  
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```

1.3 Kernel Module - eGalax Touch Treiber

```
/*  
 *  
 * Touch Screen I2C Driver for EETI Controller  
 *  
 * Copyright (C) 2000-2019 eGalax_eMPIA Technology Inc.  
 * All Rights Reserved.
```

```
*
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*
*/
**/
```

1.4 Kernel Module - GPIO Bridge

```
/*
* GPIO Bridge Driver
*
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*
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* along with this program; if not, write to the Free Software
* Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA
* 02110-1301, USA.
*/
```

1.5 Kernel Module - vl53l0x Proximity Treiber

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```

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