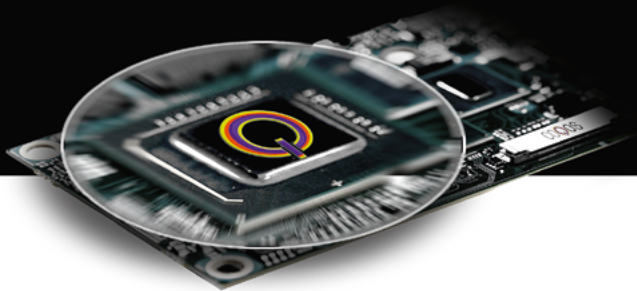


Android™ and Linux for safe and secure automotive systems



COQOS SDK

Demonstrator Option

- full-featured Android virtualization including support for: GPU, USB, WLAN, GPS, Bluetooth, USB modem. Own Android applications can run with the demonstrator
- Fast Boot of the CAN interface
- Android apps can access pre-configured CAN signals
- AUTOSAR
- Real Time
- Firewall

Evaluator Option

- full COQOS development environment for AUTOSAR, Linux and Android

Hardware

Peripheral Modules

- 7" display with touch screen and Android keypad
- 3G USB modem (Huawei E1750) - optional
- WLAN 802.11 b/g SDIO module CA-SD25 (Qualcomm Atheros AR6102) - optional
- GPS receiver (in-house development based on GPS-1513)
- Bluetooth (Freescale development based on Infineon PBA31308) - optional

Mechanical Data

- 1-DIN housing (180 x 50 mm)
- 1-DIN body made of aluminum (CNC-machined)
- Quadlock connection
- FAKRA connections (antenna)
- SD Card slot
- opening for front panel connectors

Electronic Data

- Freescale i.MX53-CPU-module connector
- 30-pin LVDS plus touch connector
- 4-channel-audio amplifier
- Android keyboard connector
- iPod AUTH connector*
- Quadlock connection:
 - Power 12V; 2 x CAN bus; USB host & 3G
 - AUX audio analog for jack plug IN
 - audio analog for microphone IN
 - SPDIF audio digital IN*
- FAKRA connection:
 - WLAN; GPS; FM tuner*
 - analog video IN
- RS232
- flexible Quadlock-Plug assignment for different manufacturers

* not yet supported by COQOS In Car Kit

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