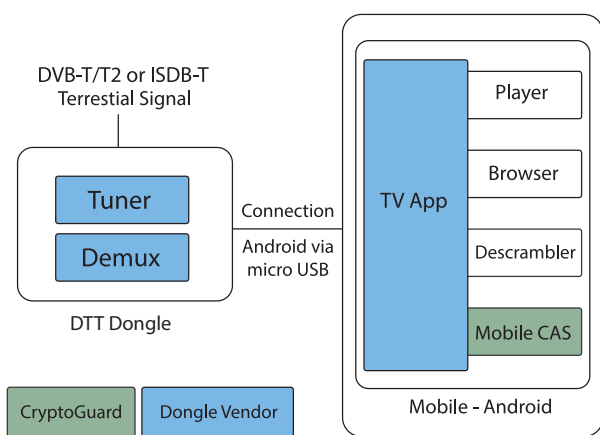




## Security solution for mobile Pay TV applications over DTT broadcasting networks DVB-T/T2 or ISDB-T

**CryptoGuard's Mobile CAS solution encrypts DTT Pay TV broadcasts that can be received with Android mobile devices. The mobile devices receive the terrestrial TV signals by utilizing a DTT tuner dongle and the Pay TV content is decrypted by the Mobile CAS app provided along with the dongle.**



The figure shown is a high level configuration on how CryptoGuard Mobile CAS is implemented. CryptoGuard provides a Mobile CAS module which can run on an Android device.

The module will support Android 4.01 version and upwards. The Mobile CAS module will need an API functionality so that the dongle vendor can embed the modules as a part of the app they provide to the Pay TV operator.

CryptoGuard's Mobile CAS - Standard Security utilizes a hardware root of trust, encryption and software obfuscation.

In addition, CryptoGuard's Mobile CAS uses a key rotation for the keys used to decrypt ECMs and EMMs. The dongle will rotate keys when the mobile phone or tablet has Internet access. The user will receive a login name and password to access content from the Pay TV operator. The data is then stored on the Android device which uses the same high level of security as the code to open the smartphone or tablet.



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