TRAVEO™ T2G Drive Core Graphics

A Cost-Efficient Solution for Developing Cockpit Applications for two- and four-wheeler.

Version	1.0.0

Drive Core

Drive Core is a scalable software bundle portfolio for AURIX™, TRAVEO™ and PSOC™ that facilitates a rapid start into Automotive software development.

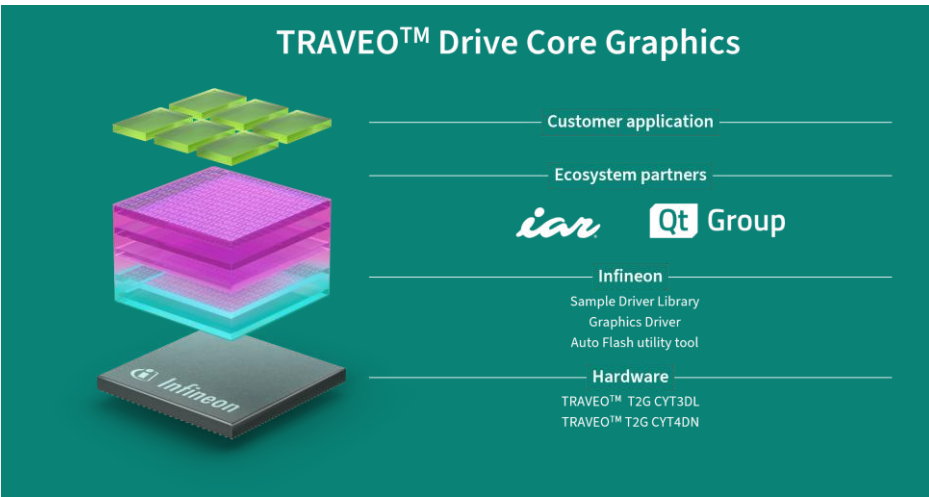### TRAVEO™ T2G Drive Core Graphics

TRAVEO™ T2G Drive Core Graphics features a cost-efficient solution for cockpit applications for two- and four-wheeler in resource-constrained environments. The software bundle includes the Qt Graphics Library, providing advanced graphics capabilities and enhanced user experience plus Infineon's TRAVEO™ T2G graphics. Qt Quick Ultralite is designed to serve as a rendering engine for the application's graphical user interface (UI). It provides a rich QML API set for building fluid GUIs, and an efficient graphics engine to render Qt Quick-based graphical user interfaces (GUI). This software bundle opens the door towards Qt's large community including a wealth of resources to create fluid, high-performance UIs on TRAVEO™ T2G. It reduces time-to-market significantly, eliminating up-front Software investments.

Key features

- High-performance UIs: Qt Quick Ultralite as rendering engine for UI
- Highest frame rate, lowest footprint
- Easy development with IAR EWARM
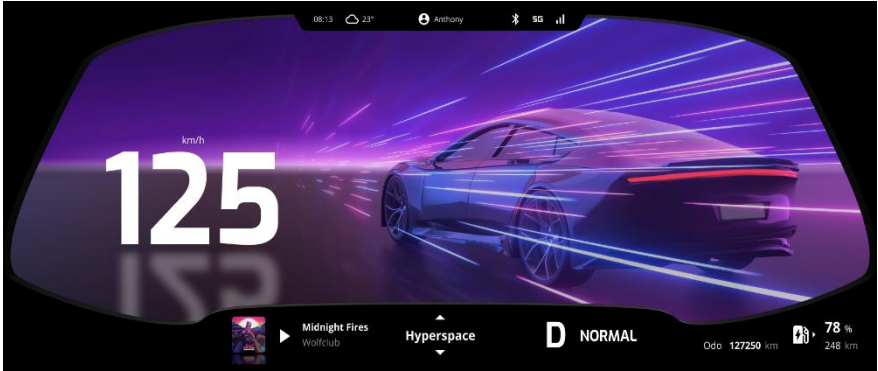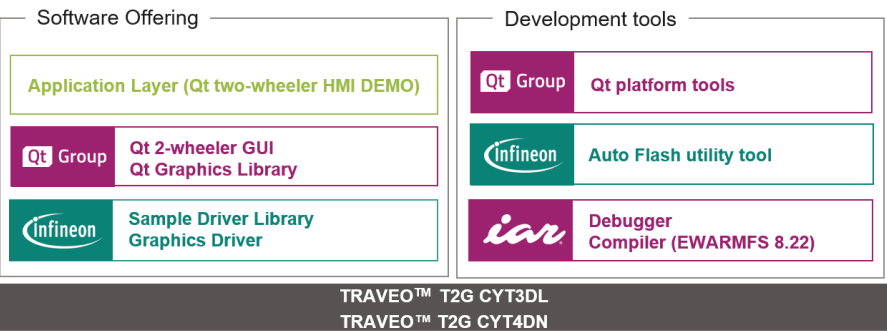- TRAVEO™ T2G is the only MCU-based solution for 60 fps at resolutions up to full HD

Key benefits

- MPU-level performance with significant cost savings
- Cost-Efficient Solution: Eliminating up-front investment in software
- Easy integration with AUTOSAR stacks and tools
- Enhanced User Experience: Advanced graphics capabilities for a more intuitive and engaging user interface

Block Diagram and visualization

Software Offering

Application Layer (Qt two-wheeler HMI DEMO)

Qt Group Qt 2-wheeler GUI
Qt Graphics Library

Infineon Sample Driver Library
Graphics Driver

Development tools

Qt Group Qt platform tools

Infineon Auto Flash utility tool

iar Debugger
Compiler (EWARMFS 8.22)

TRAVEO™ T2G CYT3DL
TRAVEO™ T2G CYT4DN

Key components

Infineon

– Auto Flash utility tool
– Sample Driver Library
– Graphics Driver

IAR

– Compiler (EWARMFS 8.22)
– Debugger

Qt

– Qt Graphics Library
– Qt 2-wheeler GUI
– Qt platform tools

Supported devices

KIT_T2G_C-2D-4M_LITE

License scheme

3 months evaluation

Royalty model with Hardware

www.infineon.com

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