PRODUCT BRIEF

TRAVEO™ T2G CYT2CL

Providing unparalleled excellence for automotive clusters

Infineon releases its second generation TRAVEO™ microcontroller in embedded flash 40 nm technology. It comes back with an increase in graphic performance, memory sizes and connectivity to address the new automotive trends and challenges. CYT2CL offers one of the most scalable safety and cluster entry microcontroller portfolios. In terms of performance, it offers single core Cortex®-M4 running up to 160 MHz, four LCD controllers and Sound subsystem with three packages (144-LQFP 0.4mm/0.5mm pitch and 176-LQFP). It is consuming below 52 mA in Active mode and 40 uA in Deepsleep mode with 32 KB RAM retention. Its mirrored embedded flash banks offer A/B swap capabilities.

Safety is the core know-how of Infineon, and all products provide safety mechanism (including MBIST, ECC Flash/RAM, CRC) to ensure a safety platform supporting ASIL-B ISO 26262. State-of-the-art security with Secure Boot support by a dedicated ARM® Cortex®-M0+ core and security hardware to accelerate cryptographic functions.

In terms of security, this product has an HSM compliant Evita full, ensuring the implementation of future proofed security measures. On top of this, it offers extensive connectivity with 4 CAN FD, 2 LINs, 1-ch 100 MHz for serial memory interface (SMIF).

The TRAVEO™ CYT2CL offers automotive cluster entry feature, sophisticated safety/security function, four LCD controllers with 32 segments (SEG) and 4 commons (COM) as LCD controller and two time-division multiplexing (TDM) interfaces/two pulse-code modulation-pulse width modulation (PCM-PWM) interfaces/up to five sound generator (SG) interfaces/one PCM Audio stream mixer with five input streams as sound subsystem. CYT2CL features a dedicated best-in-class standby mode controller, with its own voltage domain to, not only support low power modes, but also to perform certain operations such as analog measurements, CAN and LIN communications, RTC and basic processing while the rest of microcontroller is in standby.



Key features

- ARM® Cortex®-M4 single CPU up to 160 MHz operation
- Up to 4 MB flash, 128 KB work flash, 512 KB SRAM
- Four LCD controllers, with 32 segments (SEG) and 4 commons (COM)
- Mixer, 5x Sound Generator, PCM-PWM
- 4-ch CAN-FD, 12-ch SCB, 2-ch LIN, 2-ch CXPI, and 1-ch SMIF
- Cortex®-M0+ for HSM security
- ISO 26262 ASIL-B
- ISO 21434 compliant

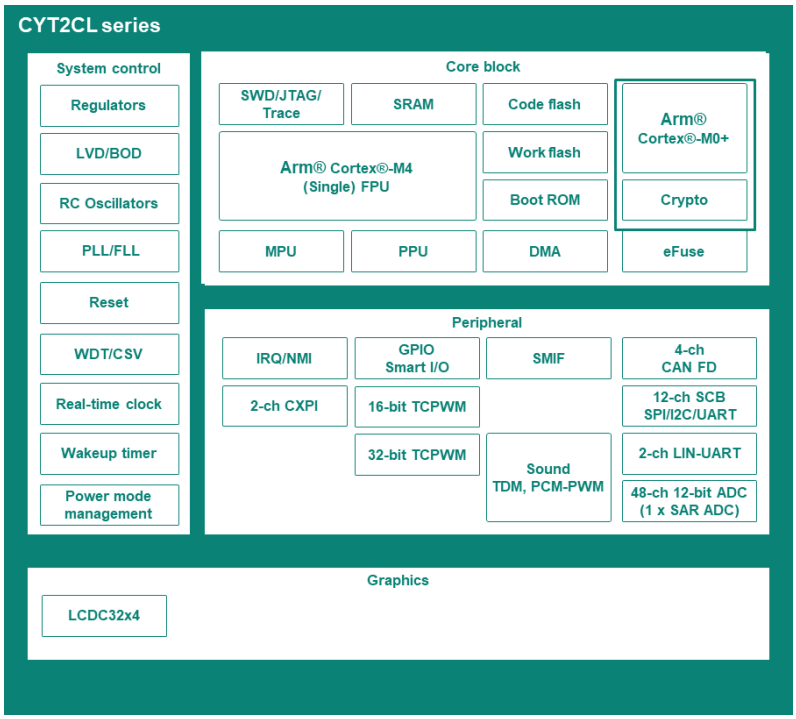
Key benefits

- Single chip graphics solution for cluster
- Optimized memory footprint for reduced BOM
- Best-in-class performance enabling ASIL-B designs
- A/B swap software update over the air support
- Best-in-class power consumption
- TRAVEO™ T2G cluster MCU portfolio for a wide range of applications and a high level of software re-use

Key applications

- Instrument cluster
- AVAS (Acoustic Vehicle Alerting System)
- 2-wheelers
- Classic cockpit solutions

Block diagram



Product table

Sales Product Name	Core	Package	Code / Work flash [MB/KB]	SRAM [KB]	LCD
CYT2CL7BAAQ0AZSGS	Arm® Cortex®-M4 and Cortex®-M0+	144-LQFP 0.5mm pitch	4 / 128	512	32 seg x 4 com
CYT2CLHBAAQ0AZSGS	Arm® Cortex®-M4 and Cortex®-M0+	144-LQFP 0.4mm pitch	4 / 128	512	32 seg x 4 com
CYT2CL8BAAQ0AZSGS	Arm® Cortex®-M4 and Cortex®-M0+	176-LQFP	4 / 128	512	32 seg x 4 com

Full product table

Published by
Infineon Technologies AG
Am Campeon 1-15, 85579 Neubiberg
Germany

© 2025 Infineon Technologies AG
All rights reserved.

Public

Version: V2.0_EN
Date: 01/2026

Scan QR code and explore offering
www.infineon.com

Please note!
This Document is for information purposes only and any information given herein shall in no event be regarded as a warranty, guarantee or description of any functionality, conditions and/or quality of our products or any suitability for a particular purpose. With regard to the technical specifications of our products, we kindly ask you to refer to the relevant product data sheets provided by us. Our customers and their technical departments are required to evaluate the suitability of our products for the intended application.

We reserve the right to change this document and/or the information given herein at any time.

Additional information
For further information on technologies, our products, the application of our products, delivery terms and conditions and/or prices, please contact your nearest Infineon Technologies office (www.infineon.com).

Warnings
Due to technical requirements, our products may contain dangerous substances. For information on the types in question, please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by us in a written document signed by authorized representatives of Infineon Technologies, our products may not be used in any life-endangering applications, including but not limited to medical, nuclear, military, life-critical or any other applications where a failure of the product or any consequences of the use thereof can result in personal injury.