Altia Tools for STM32

High Class GUIs for Low Power Microprocessors



Why choose STM32 for embedded GUIs?



- Cost and power requirements are two huge pain points for GUI developers
 - Target hardware must be budget-friendly or it will blow BOM costs
 - Battery life is a big concern especially for medical devices
- STM32 is a great solution for GUI developers because of its:
 - Low price point
 - Low power consumption

The STM32 is a compelling combination of hardware capabilities for embedded GUI devices.

Why choose Altia for STM32 GUIs?



 Altia supports a broad range of STM32 F Series microprocessors, including:

- F1 Series
- F4 Series
- F7 Series





Altia's DeepScreen Code Generator takes full advantage of these micros to deliver top notch GUIs — even with limited RAM

Why choose Altia for STM32 GUIs?



- Altia provides direct, native C code generation
 - No large, mysterious black box engines
 - No slow, interpreted languages
 - Getting all source code simplifies certification

Recent study finds that 83% of all embedded projects use C/C++.

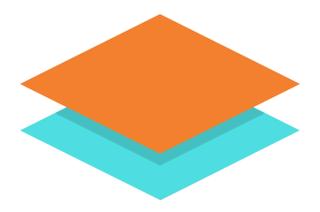
- UBM Embedded Markets Stud[,]

- Generates code only for the assets needed
 - Saves memory
 - Boosts performance
 - Less code to validate and test



Altia takes full advantage of features on STM32 hardware:

- Dual-layer Architecture*
- Chrom-ART Accelerator



^{*} Layer support feature running on STM32 F Series in early development at time of writing.

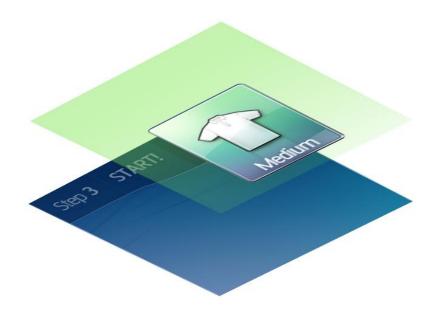


The Altia Design Layer Manager is the key to easy use of layers on STM32.

Altia Layer Manager and STM32

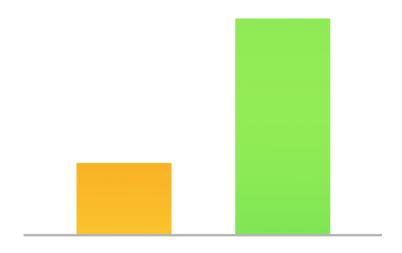


- The Altia Layer Manager offers unparalleled graphical use and control
 of the STM32 F4 and F7 Series available layers
 - Dual layer support for both families
 - Speedy, layer-enabled hardware alpha blending
 - Offload CPU work further boosting performance





Altia uses on-chip Chrom-ART Accelerator for best performance.



Using Chrom-ART, Altia improves frame rates by 90%!



Want to experience Altia in action on STM32?

Complete our Embedded GUI Survey for your chance to win an STM32 Discovery Board!

https://www.surveymonkey.com/r/AltiaSTM32