

Graphic human machine interface with STM32



Broad STM32 portfolio for graphics

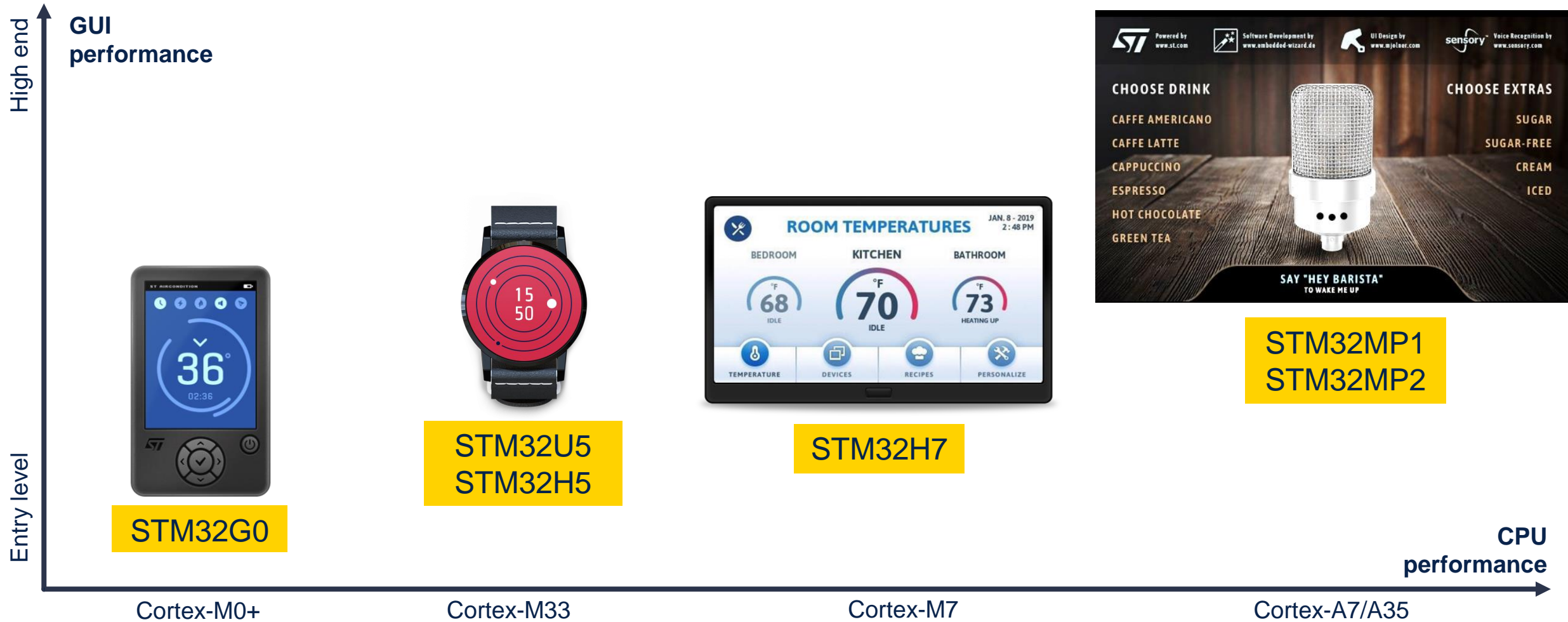


Extensive STM32 graphic ecosystem





STM32: for any graphics needs





TouchGFX tools for STM32 microcontrollers

TouchGFX free graphic framework for STM32



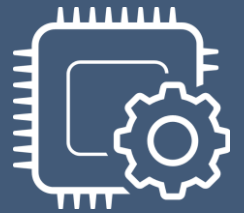
TouchGFX
DESIGNER

PC GUI builder
and simulator



TouchGFX
GENERATOR

Configure and
generate a
TouchGFX
project



TouchGFX
ENGINE

Optimized and
hardware
accelerated
graphics library

Accelerated Graphic Development with OpenSTLinux



Ready-to-use starter package for quick proof of concept





Cost effective graphics in software or with OpenGL acceleration

Hardware accelerated multimedia capability on the new STM32MP2

Flexibility with Linux Cortex-A and real time Cortex-M architecture



STM32 graphics ecosystem landscape

| | | ST solutions | Solutions from partners |
|---------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | |  life.augmented |  life.augmented  |
|  STM32 based boards | Development boards | Development boards Production boards | |
| | Development tools | Graphics libraries and frameworks Development tools | |
| | Support / Services | GUI development services Hardware design services Software development services | |

STM32 graphics extended ecosystem

Developer / production boards

Display module makers



UI expertise and services

Display modules based on STM32+TouchGFX

- Developer kits
- Production-ready display modules
to be included in your product
- Training
- Support



STM32 graphics extended ecosystem

Graphics libraries / development tools

UI tool providers



UI expertise and services

- UI development tools for STM32
- Training and support



STM32 graphics extended ecosystem

UI / TouchGFX development services

TouchGFX experts



UI expertise and services

STM32+TouchGFX based UI development

- User experience design
- Graphical design
- HW/SW development
- EMS, electronic production
- Training
- Support

