



life.augmented

STM32WBxM Wireless Modules Bluetooth® LE 5.2, Zigbee 3.0 and Thread



Make the choice of STM32WB series the 7 keys points to make the difference



OPENTHREAD
released by Google



zigbee

Open 2.4 GHz radio
Multi-protocol



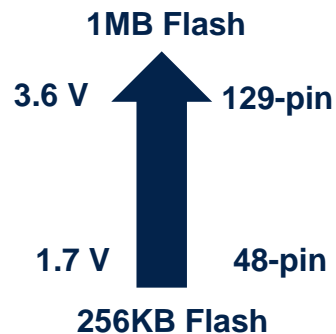
Dual-core / Full control
Ultra-low-power



IoT Protection ready



Massive integration
Cost saving



A large offer



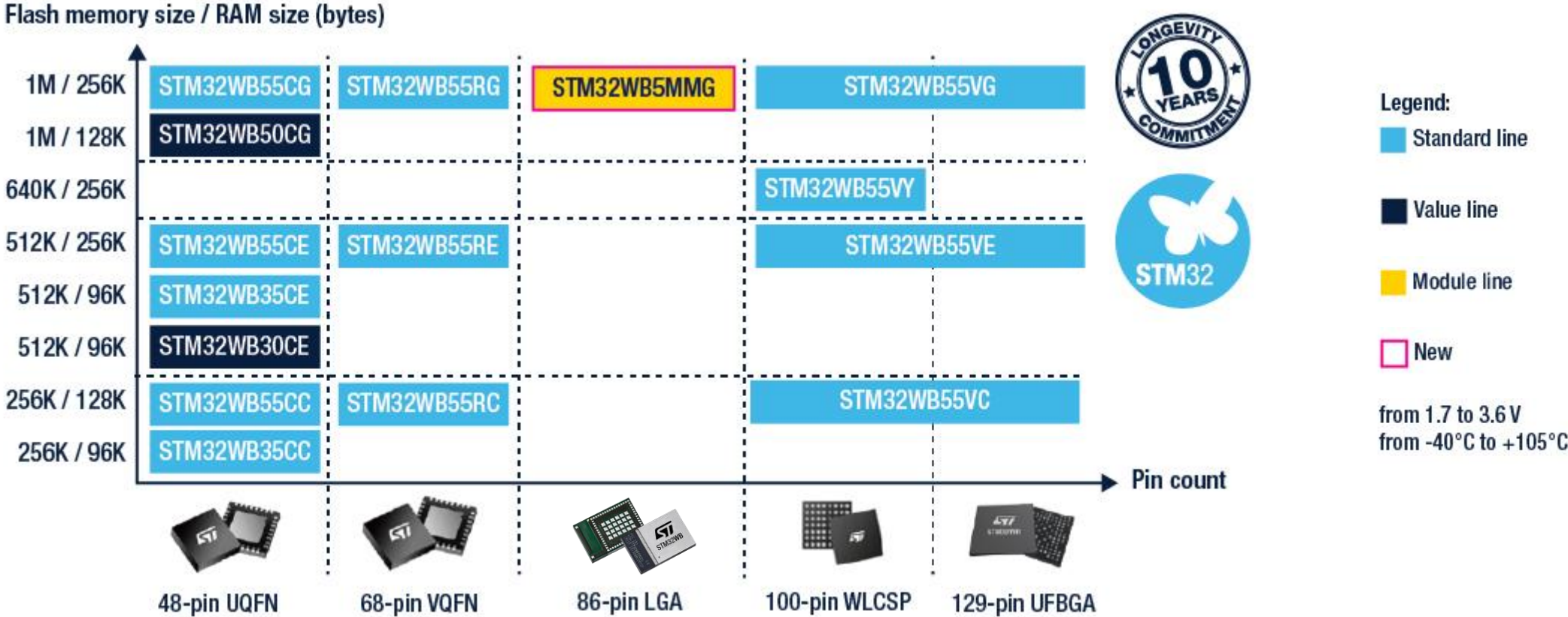
Advanced RF tool, Energy control
with C code generation



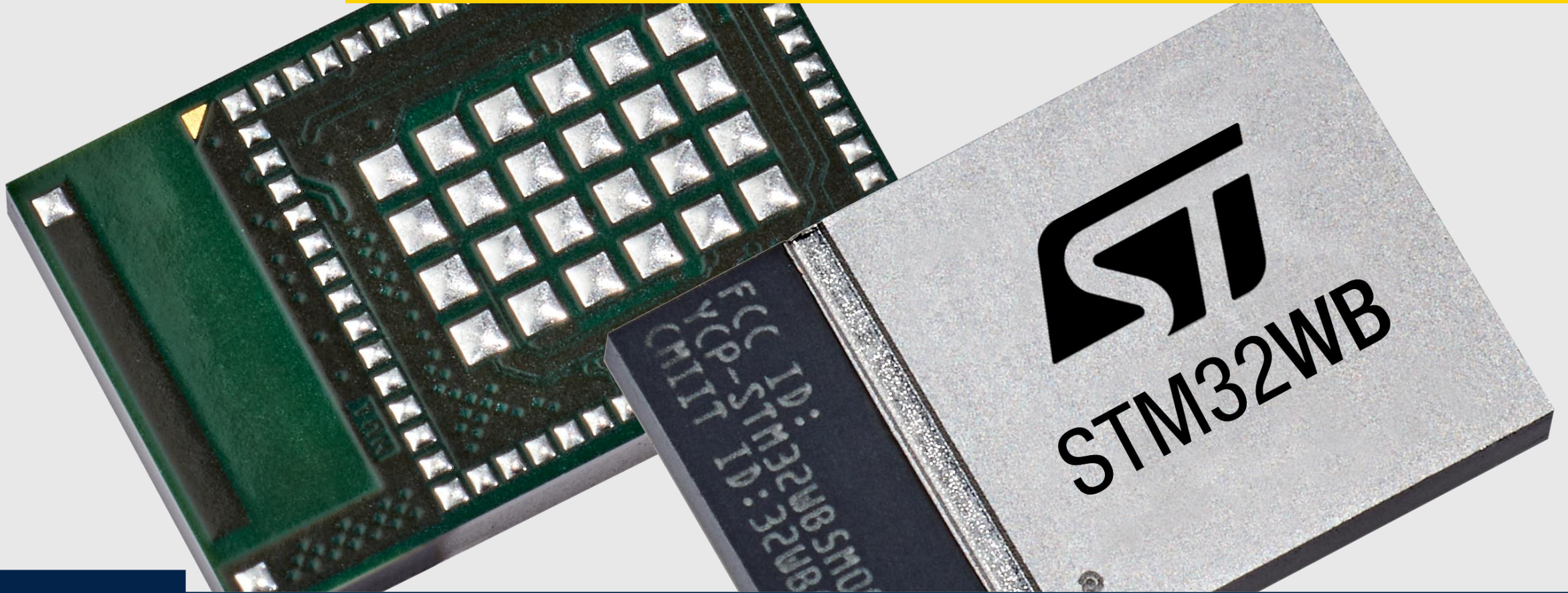
No matter what!

STM32WB - a large offer

Bluetooth LE 5.2, OpenThread, Zigbee 3.0 and proprietary protocol capable



**Available as a module
to reduce your time to market**



STM32WB5M - module

Easy to integrate - Light certification for customer

Key advantages

- WLCSP100 package integrated
- Maximum of features exposed
- Low-cost PCB for the mother board

Bottom view



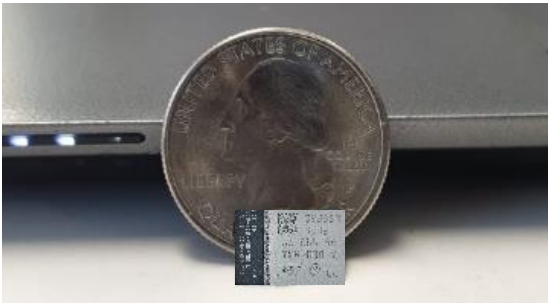
In production NOW!

STM32WB5M multi-protocol module

Small form factor

7.3x11 mm

Full ref design up to antenna, crystals



Reduce the cost

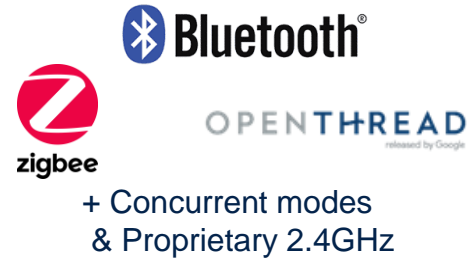
Down to 2 PCB layers

Everything inside (single cap outside)

Free of charge radio stack

Certified FCC, CE, NCC, JRF, KC, SRRC, ISED, GOST

Multi-protocols



Strong feature set

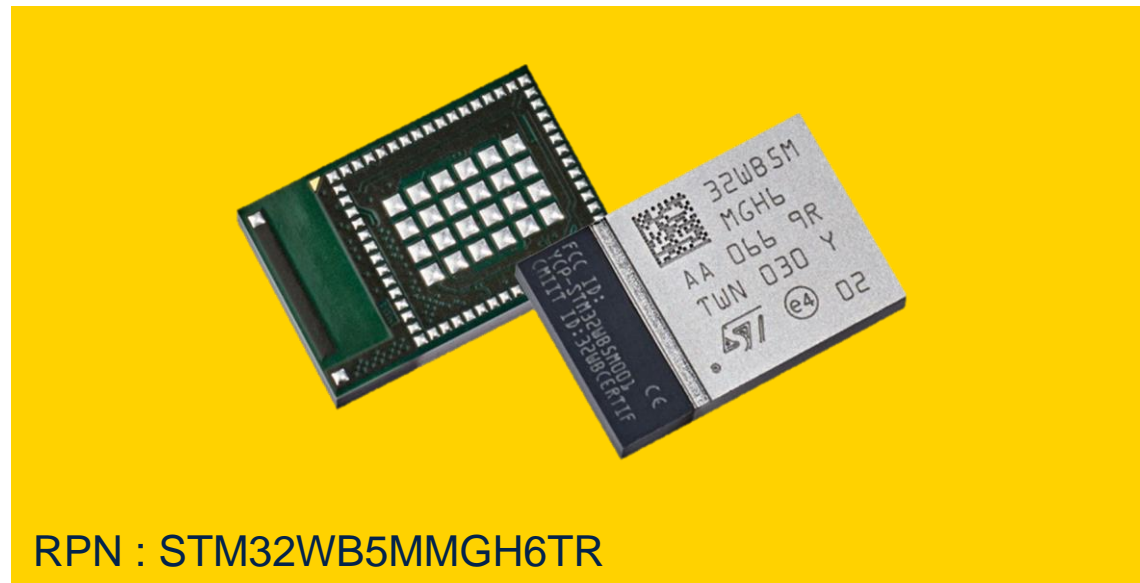
Dual-core based

1MB Flash/256KB RAM

LCD, USB FS, ADC, COMP

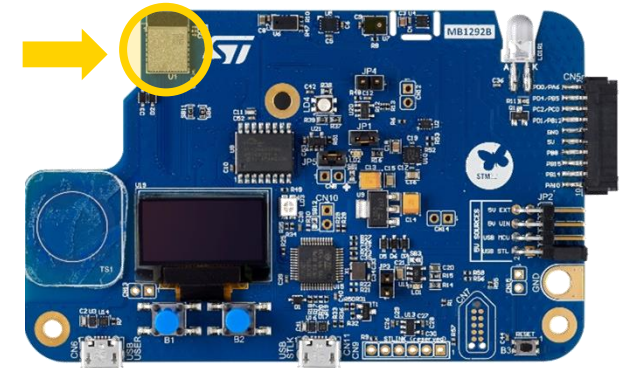
Security

OTA (application, radio)

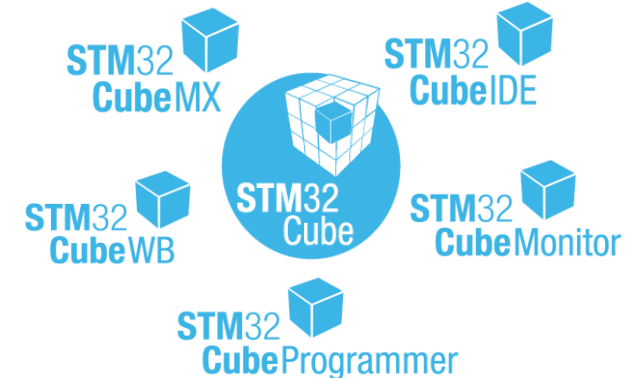


RPN : STM32WB5MMGH6TR

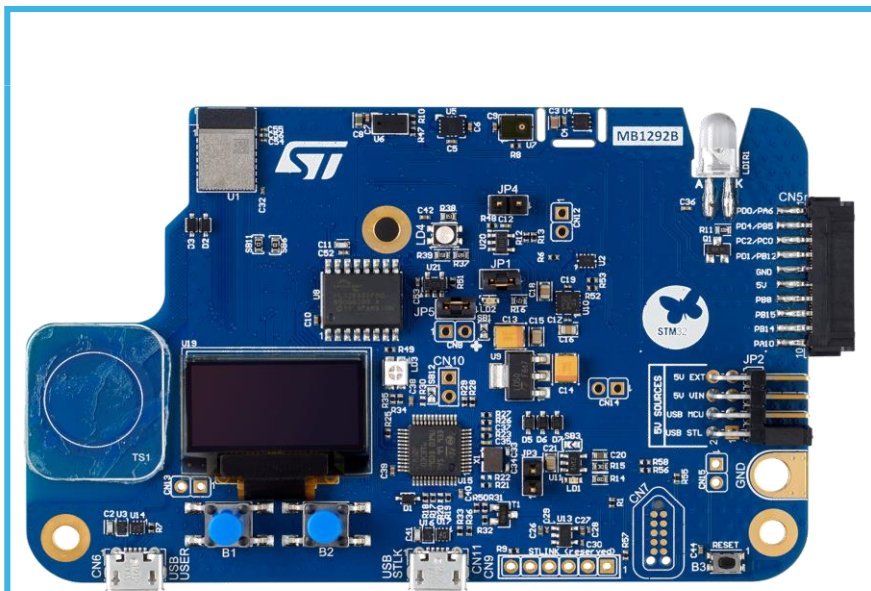
Discovery kit



STM32 ecosystem

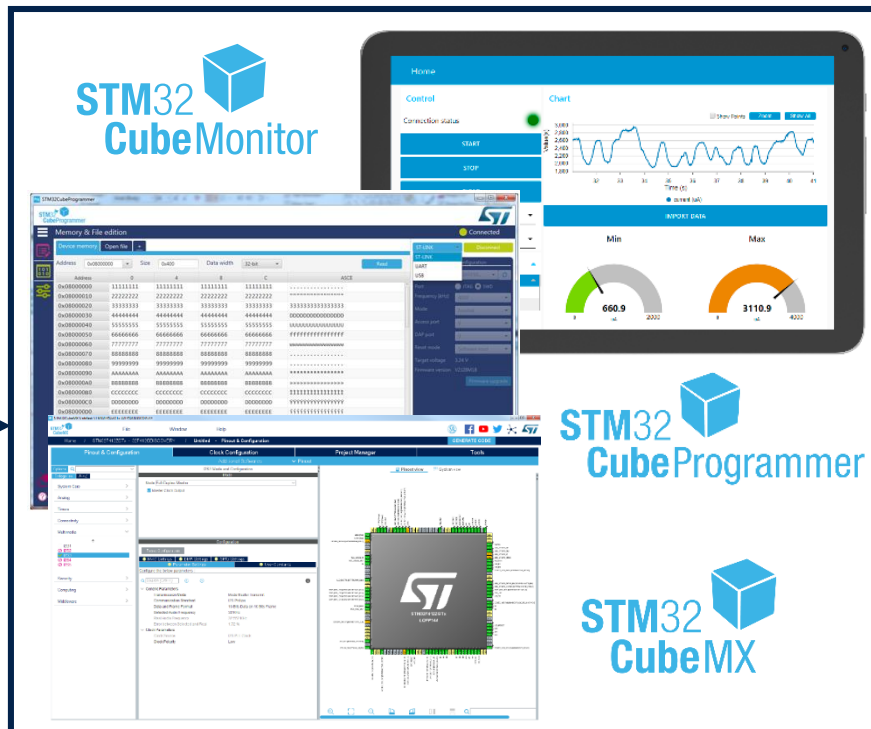


Prototyping made as easy as 1,2,3



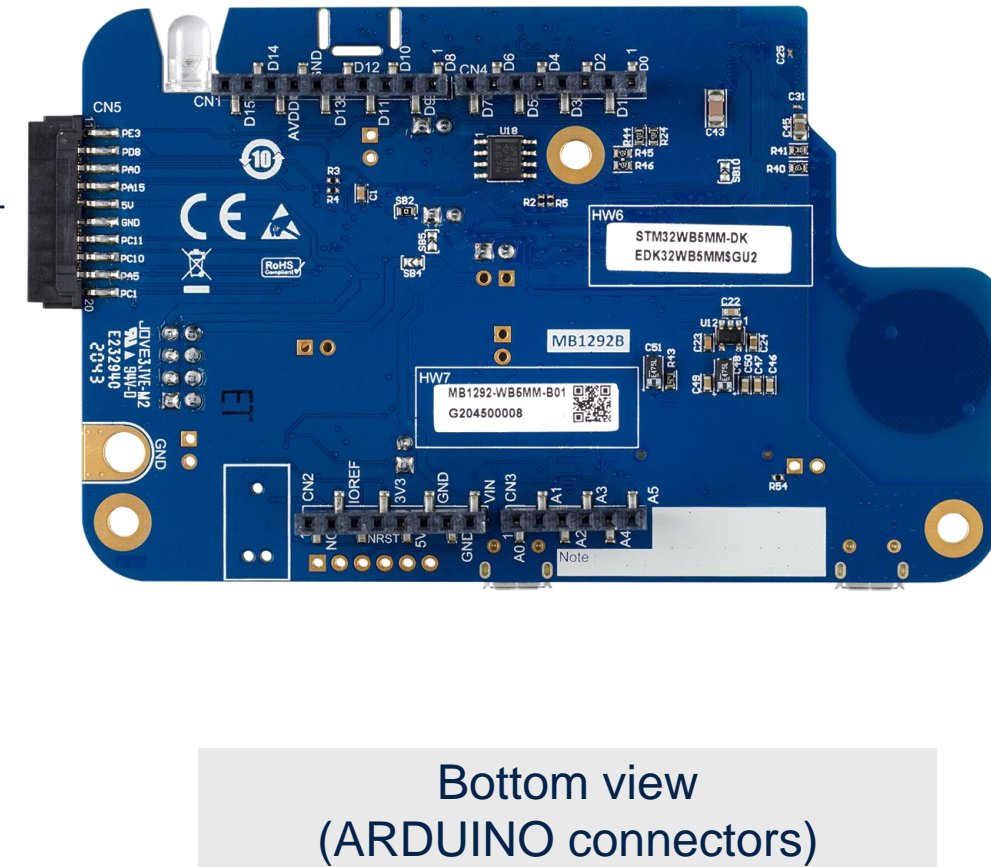
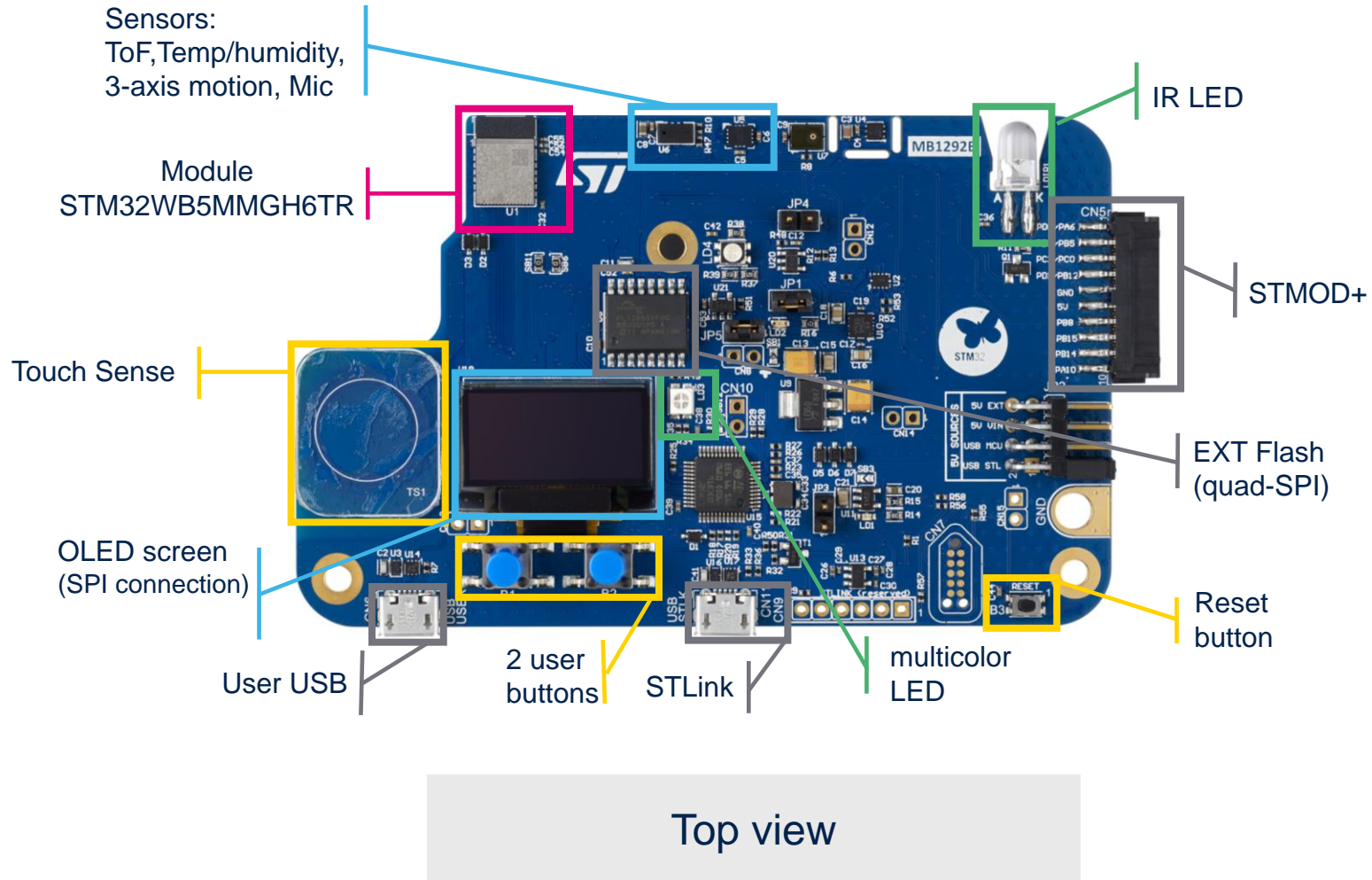
STM32WB5MM-DK*

Hardware
Discovery Kit



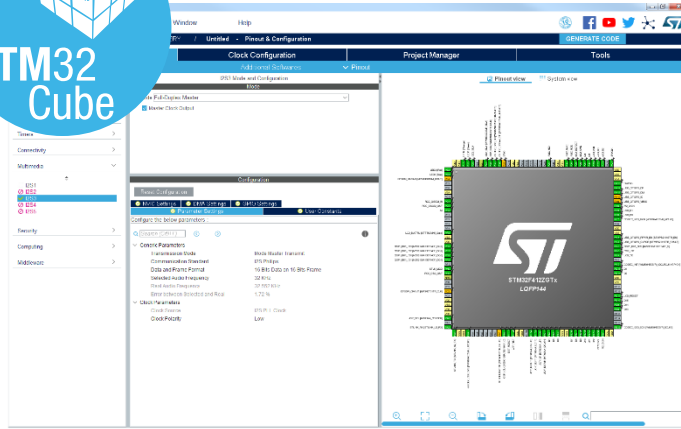
STM32CubeMX/STM32CubeWB/
STM32CubeProg & STM32CubeMonRF
Code generation
Power calculation

STM32WB5MM-DK

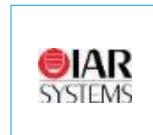
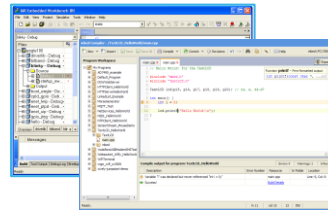


Software development tools

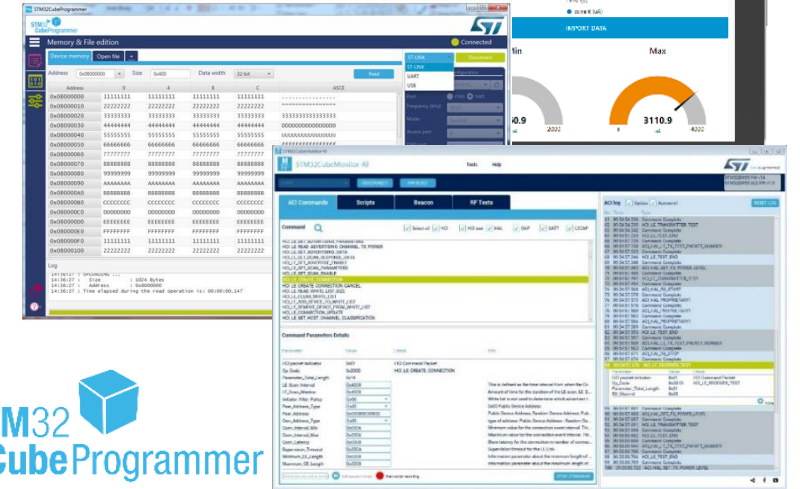
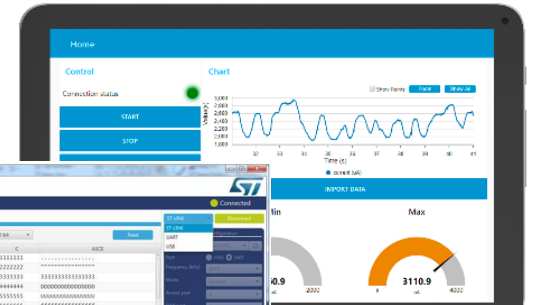
A complete flow, from configuration up to monitoring



FREE
IDE's



More to come after mass market launch



STM32CubeMX, GUI Builders
Configure & Generate Code

ST and Partner IDEs
Compile and Debug

STM32CubeProg/Monitor
Monitor, Program & Utilities



Releasing your creativity



[/STM32](#)



[@ST_World](#)



[community.st.com](#)



[www.st.com/STM32WB](#)



[wiki.st.com/stm32mcu](#)



[github.com/STMicroelectronics](#)



[STM32WB online training](#)



[STM32WB blog article](#)



[MOOC – STM32WB workshop](#)



life.augmented

Thank you

© STMicroelectronics - All rights reserved.

ST logo is a trademark or a registered trademark of STMicroelectronics International NV or its affiliates in the EU and/or other countries.

For additional information about ST trademarks, please refer to www.st.com/trademarks.

All other product or service names are the property of their respective owners.



life.augmented