

**A long journey today ... let's Wrap Up !**







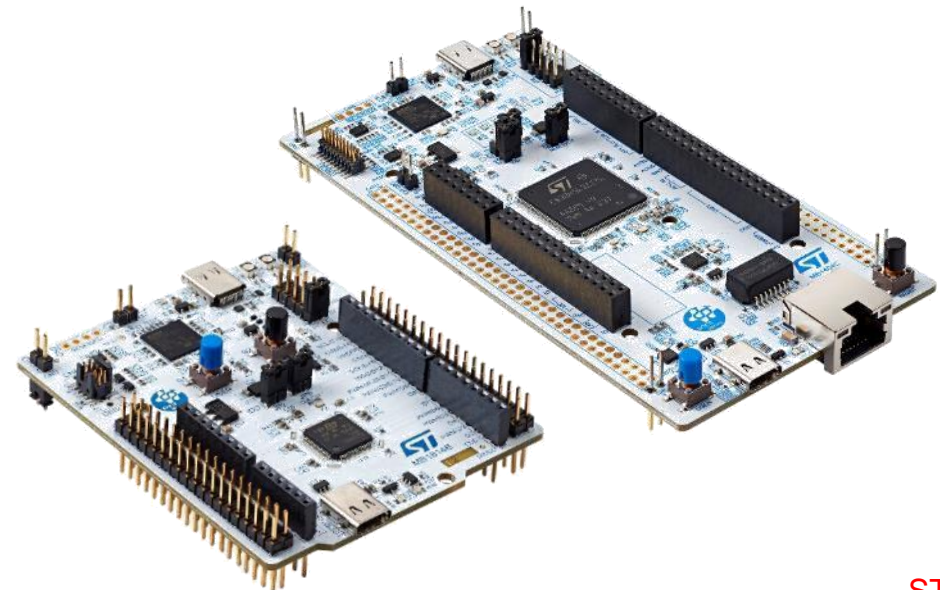
# Start your project based on the STM32H5 now!

## STM32H5

High performance

Scalable security

Optimized cost/performance

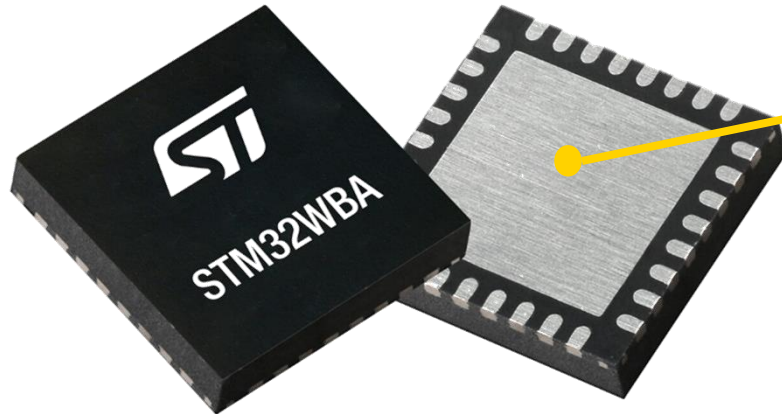




# Start your project based on the STM32WBA5 now!



Bluetooth Low Energy 5.3



STM32WBA5x

Built using **40nm process technology**



<b>Wireless</b>	Bluetooth® Low Energy 5.3 certified (long range, 2 Msps, advertising extension)
<b>Performance</b>	Arm® Cortex®-M33 at 100 MHz Fast wake-up time
<b>Power efficiency</b>	Extended battery lifetime Autonomous low-power mode
<b>Security</b>	TrustZone® DPA resistant
<b>Integration</b>	1 Mbyte of flash memory, 128 Kbytes RAM Reduced BOM
<b>Free ecosystem</b>	Faster time to market Enhanced design journey



# We look forward to receiving customers' PCBs!

## Fully equipped lab with skilled team

BLE & 802.15.4

PCB bring-up  
& power consumption optimization

Sub-1GHz

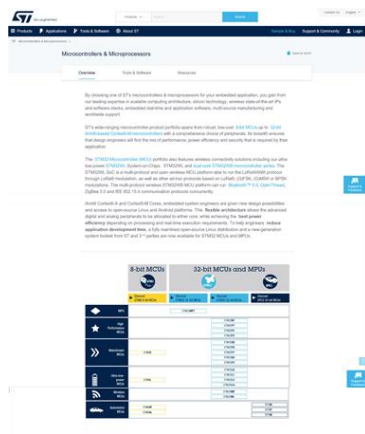




# Information and Sharing

Get connected to STM32 world !

[st.com/stm32](https://st.com/stm32)



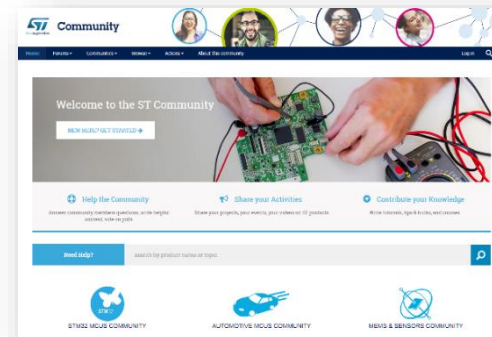
**ST MCU Finder**



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优酷

Information

Product Selector

Community/GitHub

Social Media

- ▶ STM32 Education is now available [here](#) (MOOC, OLT, Text books, Training Courses)
- ▶ MCD Marketing Divisions-Regions Communication SharePoint [here](#) **new**

Step1 STM32 Basics	Step2 STM32 Tools	Step3 STM32 lines	Step4 STM32 Applications	Step5 STM32 Tips&tricks
<ul style="list-style-type: none"> <li>• <a href="#">STM32CubeMX &amp; CubeHAL basics</a></li> <li>• <a href="#">First steps in STM32 and move from 8 to 32 bit</a></li> <li>• <a href="#">Security Part 1 – Introduction to security in STM32</a></li> <li>• <a href="#">Security Part 2 - Basics of cryptography</a></li> <li>• <a href="#">Security Part 5 – Address your security needs</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">STM32CubeMX &amp; CubeHAL basics</a></li> <li>• <a href="#">STM32 drives Spirit2 (Euro2018)</a></li> <li>• <a href="#">STM32CubeMX: easy integration of third parties FW (Euro2018)</a></li> <li>• <a href="#">FreeRTOS on STM32 v1</a></li> <li>• <a href="#">FreeRTOS on STM32 v2</a></li> <li>• <a href="#">STM32CubeIDE basics</a></li> <li>• <a href="#">TouchGFX how to</a></li> <li>• <a href="#">STM32 Graphics Workshop</a></li> <li>• <a href="#">STM32Cube.AI workshop</a></li> <li>• <a href="#">STM32CubeIDE dual core project on STM32WL55</a></li> <li>• <a href="#">STM32CubeMonitor: RF parameters measurements on STM32WL</a></li> <li>• <a href="#">AzureRTOS step by step WS</a></li> <li>• <a href="#">Introduction to STM32CubeMonitor</a></li> <li>• <a href="#">STM32CubeProgrammer (US)</a></li> <li>• <a href="#">STM32Cube Tools in practice</a></li> <li>• <a href="#">STM32CubeMonitor in practice</a></li> <li>• <a href="#">STM32CubeMX LPBAM module in practice</a></li> <li>• <a href="#">STM32C0 Workshop (US)</a></li> <li>• <a href="#">Machine Learning and NEAI Studio Benefits</a></li> <li>• <a href="#">Rapid development of anomaly detection on STM32 using NEAI Studio</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">STM32L4 hands-on workshop</a></li> <li>• <a href="#">STM32L4 hands-on training</a></li> <li>• <a href="#">STM32F7 hands-on workshop</a></li> <li>• <a href="#">STM32L0 workshop</a></li> <li>• <a href="#">STM32G0 workshop</a></li> <li>• <a href="#">STM32MP1 workshop</a></li> <li>• <a href="#">STM32L5 what really matters with Ultra Low Power</a></li> <li>• <a href="#">STM32MP1 companion chips</a></li> <li>• <a href="#">STM32WB getting started</a></li> <li>• <a href="#">STM32WL security</a></li> <li>• <a href="#">STM32WL workshop</a></li> <li>• <a href="#">STM32H72x/3x hands-on workshop</a></li> <li>• <a href="#">STM32WL55 – HSEM</a></li> <li>• <a href="#">STM32WL55 – IPCC</a></li> <li>• <a href="#">STM32WL hardware and RF guidelines</a></li> <li>• <a href="#">STM32U5 workshop</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Motor Control Part1: Theory and Motor Profile</a></li> <li>• <a href="#">Motor Control Part2 (based on face2face WS)</a></li> <li>• <a href="#">Motor Control Part3: Fine tuning</a></li> <li>• <a href="#">Motor Control Part4: Select the right product</a></li> <li>• <a href="#">Motor Control Part5 (based on face2face MC training)</a></li> <li>• <a href="#">Graphics with STM32</a></li> <li>• <a href="#">LPWAN workshop</a></li> <li>• <a href="#">USB training (based on face2face session)</a></li> <li>• <a href="#">STM32WB BLE MESH introduction</a></li> <li>• <a href="#">STM32WB FUOTA</a></li> <li>• <a href="#">Introduction of STM32Cube.AI</a></li> <li>• <a href="#">Security Part 6 – STM32 security ecosystem, from theory to practice (Security Workshop)</a></li> <li>• <a href="#">Security Part8 - Secure cloud connectivity with SBSFU and STSAFE-A110</a></li> <li>• <a href="#">LPWAN theory</a></li> <li>• <a href="#">BLE security with STM32WB</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Ultra Low Power STM32 extras</a></li> <li>• <a href="#">STM32 IAP with NFC ST25 Dynamic tag</a></li> <li>• <a href="#">External loader on QSPI</a></li> <li>• <a href="#">STM32WB RF guidelines</a></li> <li>• <a href="#">Security Part7 - STM32 Security tips</a></li> <li>• <a href="#">STM32 MPU tips</a></li> <li>• <a href="#">Security Part 3 – STM32 security features</a></li> <li>• <a href="#">Security Part 4 – Security in practice on STM32</a></li> <li>• <a href="#">STM32 boot and startup tips</a></li> <li>• <a href="#">STM32MP1 tips &amp; tricks</a></li> <li>• <a href="#">STM32WB RF lab</a></li> <li>• <a href="#">How to boost conversion rate on STM32L4</a></li> <li>• <a href="#">STM32WB Certification process</a></li> <li>• <a href="#">STM32U5 RDP</a></li> <li>• <a href="#">STM32U5 HUK</a></li> </ul>





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## Q&A

# LAST .... Survey !





# Thank you

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