



YUNTU AUTOMOTIVE SEMICONDUCTOR
真车规 高可靠 高性能

云途开发生态介绍



目录

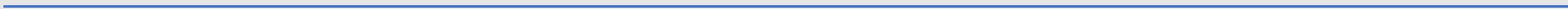
CONTENTS

- 1. 云途产品开发生态资料**
- 2. 云途用户系统使用指南**
- 3. 云途技术论坛**
- 4. YCT(YT Config Tool)使用入门**

01

云途产品开发生态资料

- ✓ 概述
- ✓ 开发文档
- ✓ 开发工具
- ✓ 软件包

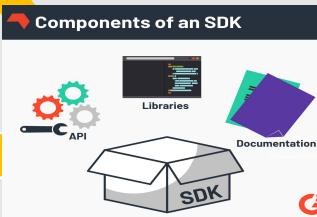


● 云途产品开发生态资料 - 概述

- 集成开发环境IDE
- 仿真器
- 量产工具
- 配置工具
- 硬件开发板



- 选型手册SG
 - 数据手册DS
 - 参考手册RM
 - 勘误手册ES
 - 应用笔记AN
 - 设计指南DN
 - 硬件设计支持资料
-
- SDK包
 - MCAL包
 - 功能安全支持包
 - 信息安全部件及软件支持包
 - 特定应用软件库



● 云途产品开发生态资料 - 开发文档

选型手册SG

- 所有产品选型手册，每个产品主要参数特性列举

数据手册DS

- 系列产品电气参数
- <XXX>_DS_<XXX>

参考手册RM

- 各模块寄存器详细描述、功能描述、主要技术特征
- <XXX>_RM_<XXX>

勘误手册ES

- 硬件勘误信息及规避方案
- <XXX>_Errata_<XXX>

应用笔记AN

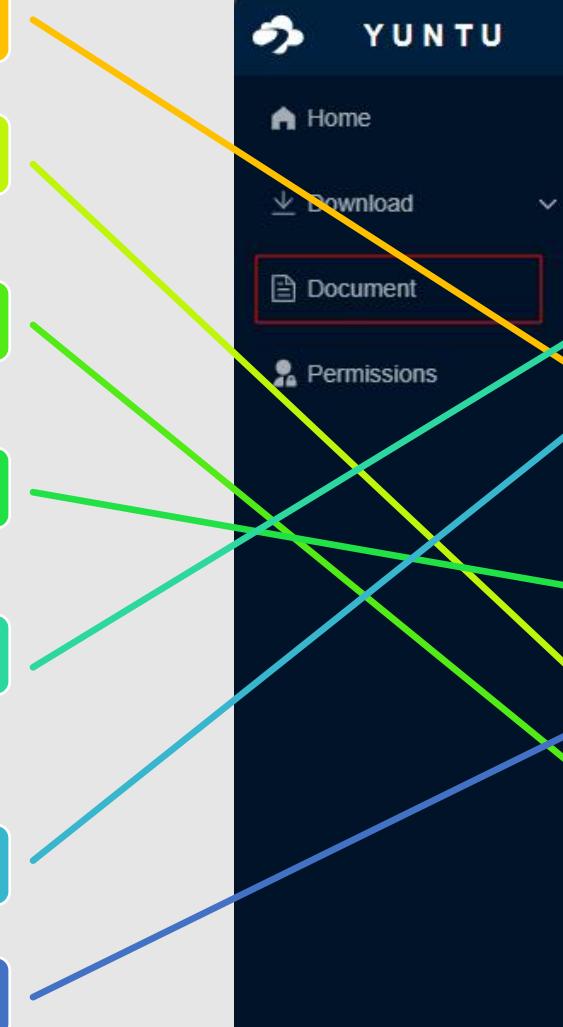
- 产品具体应用细节描述，方法原理介绍，常见问题解决方案
- 特定应用详细讲解
- ANxxxx_<XXX>

设计指南Design Notes & Tips

- 软件模块应用指南，例程说明，应用描述

硬件设计支持资料

- 硬件设计指南，PinMux表格
- 评估板原理图
- 原理图，PCB符号库



Document / YTM32B1MC0 - Document

Home Document **YTM32B1MC0 - Document x**

基于云途用户系统和YCT (YT Config Tool)工具的
文档系统

● 云途产品开发生态资料 - 开发工具

集成开发环境IDE



IDE	厂家	Free/Charg e
KEIL	第三方	license收费

IAR	第三方	license收费
-----	-----	-----------

Yuntu IDE	云途	免费
-----------	----	----

VSCode (GCC+Nijia+C Make)	开源	免费
---------------------------	----	----

GHS	Green Hills	license收费
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仿真器 Debugger



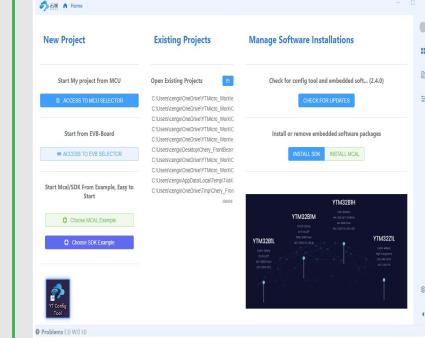
Debugger	厂家
Ozone+Jlink/J-Trace	Segger
I-Jet	IAR
T32	Lauterbach
Mutilink	P&E
UDE	PLS(Only ME)

量产工具



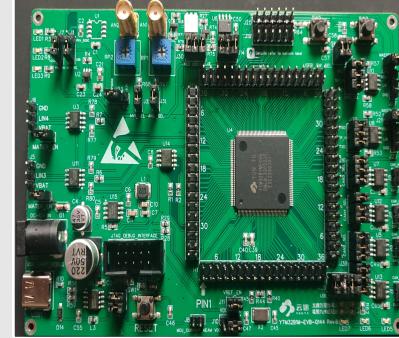
量产工具	厂家
Cyclone	P&E
RX-xxx	戎象 (稀微)
	力捷丰
A2000	昂科
FT200	高勒康达

配置工具YCT



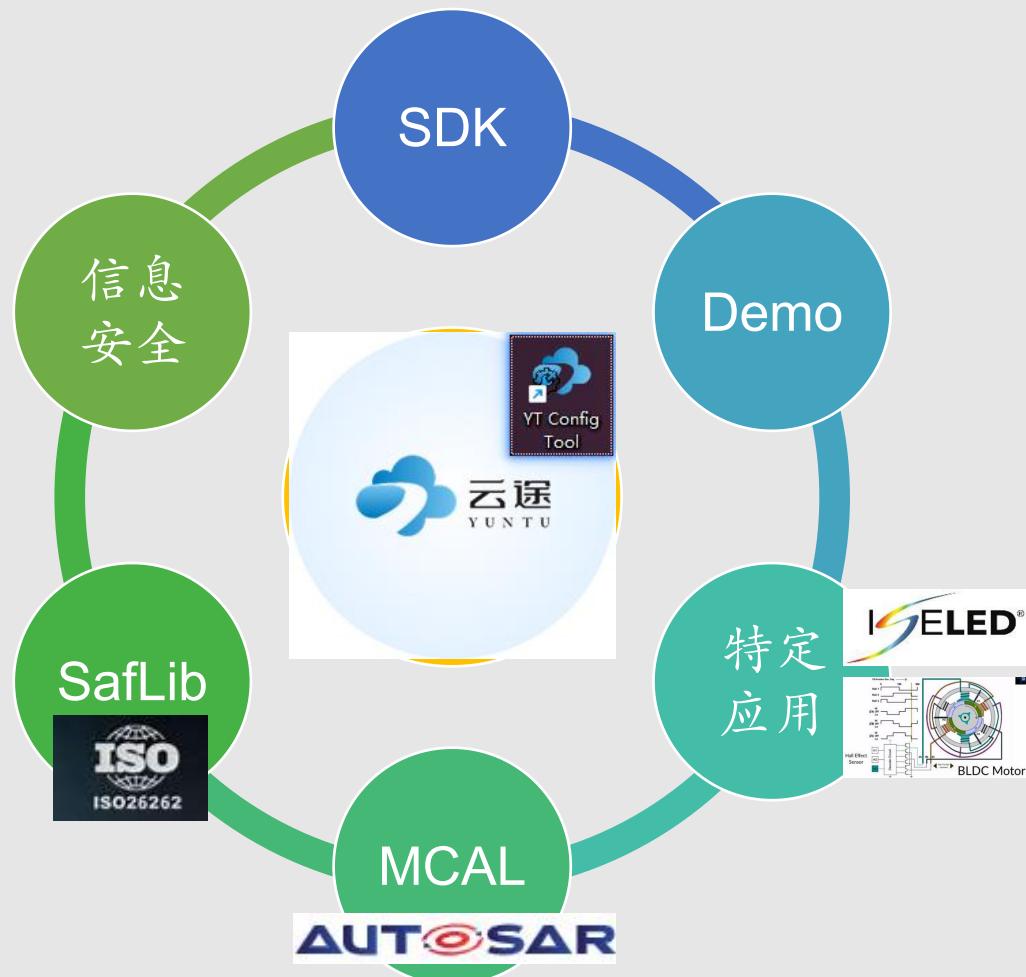
SDK开发
AutoSAR MCAL开发
文档查看
例程下载

硬件开发板



每个系列通用评估板
评估板开发手册
评估版原理图
评估板例程

● 云途产品开发生态资料 - 软件包



基于**YCT (YT Config Tool)** 工具的软件包组件



各系列外设模块驱动静态代码，支持代码包独立下载
结合自主开发YT Config Tool可快速初始化配置生成



基于SDK的MCU各外设模块demo例程, 可直接编译下载到评估板运行
基于MCAL的MCU模块demo例程, SafLib例程
Uds fbl Demo, OTA Demo



SmartLed应用软硬件Demo及开发文档
电机应用软硬件Demo



自主开发MCAL配置工具YT Config Tool, 标准AutoSAR MCAL静态代码包
以CDD形式提供Uart, DMA等非标准Mcal模块MCU外设驱动
代码可靠性测试报告



基于AutoSAR, 以CDD形式提供专门的功能安全库
功能安全认证支持文档

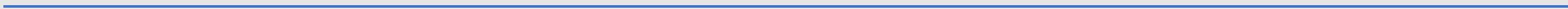


安全启动库应用配置
支持安全启动要求的应用程序二级制文件生成

02

云途用户系统使用指南

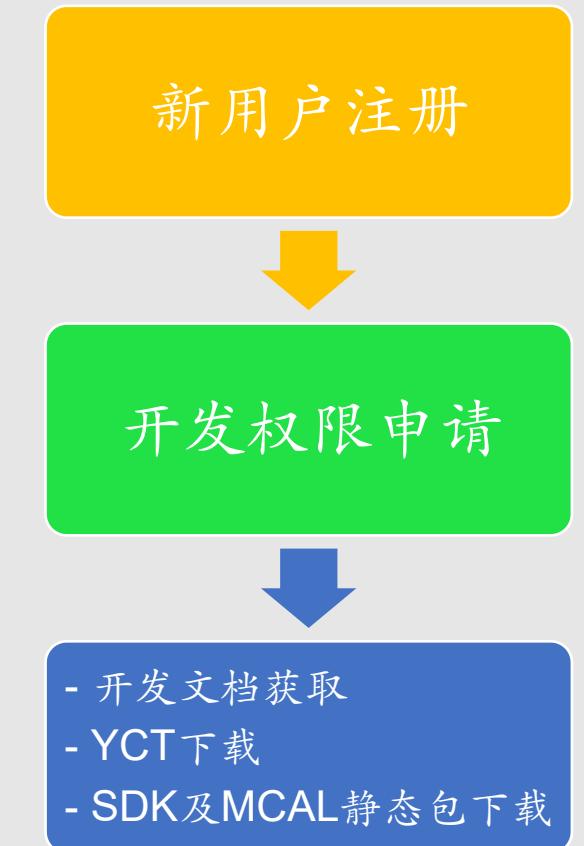
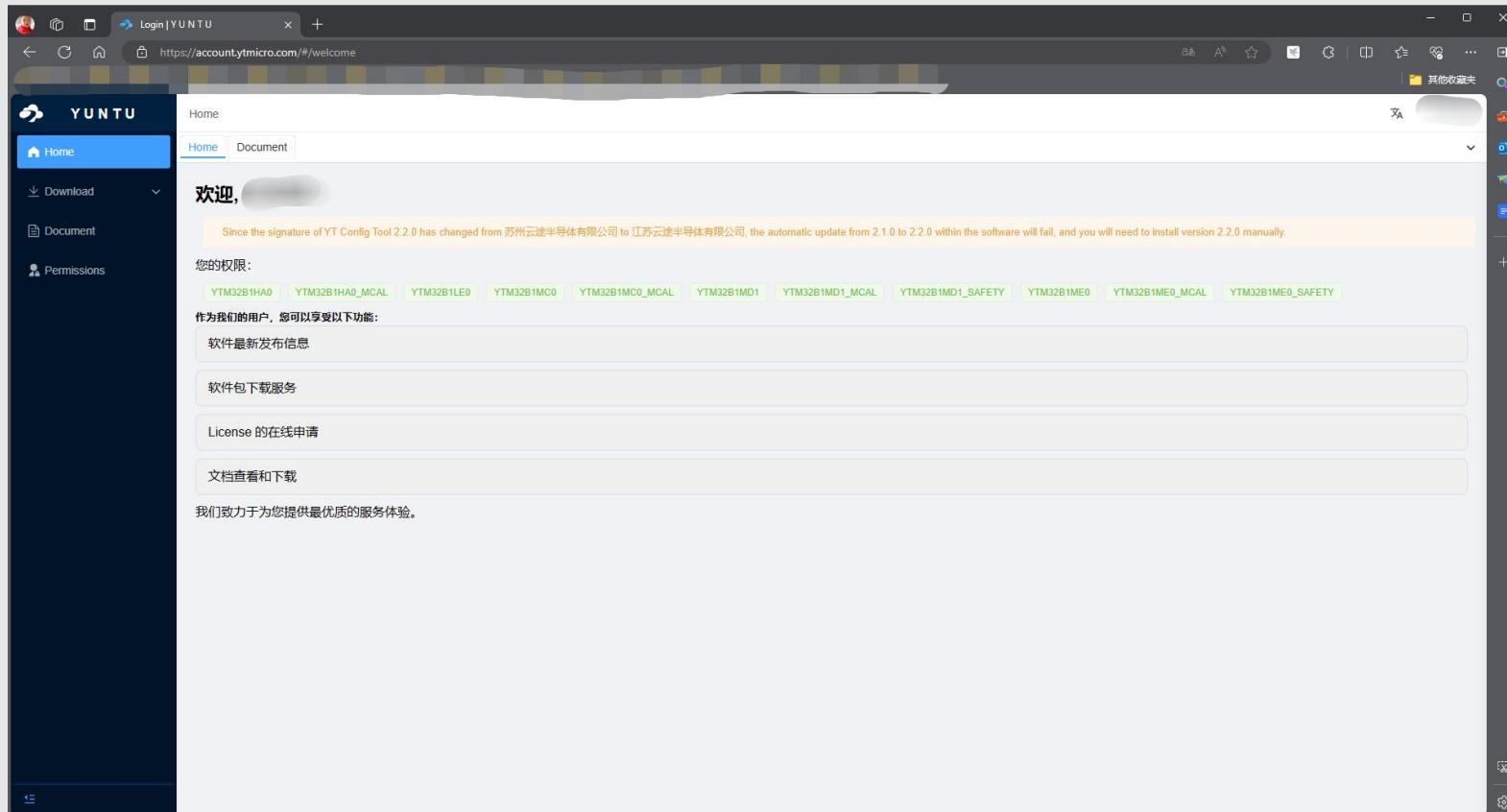
- ✓ 概述
- ✓ 用户注册及登录
- ✓ 权限申请及查看
- ✓ 生态资料获取



● 云途用户系统使用指南 - 概述

云途用户系统 (Ytmicro User System) 作为用户获取云途MCU各种文档资料，工具软件下载，软件开发包，特殊权限资料的统一窗口网站。

<https://account.ytmicro.com>



云途用户系统使用指南.pdf

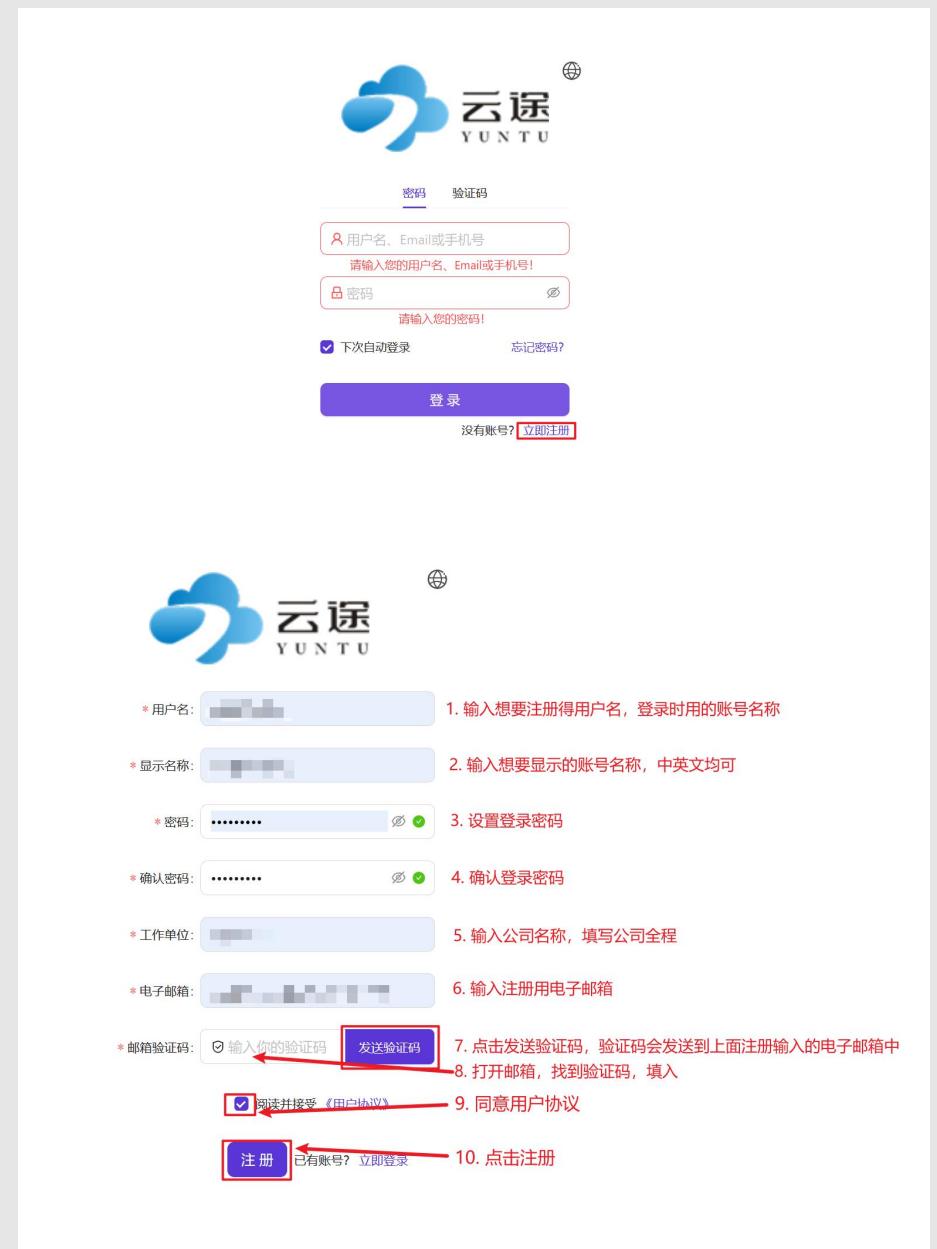
● 云途用户系统使用指南 - 用户注册及登录

未注册用户注册

- 用户名一定不要包含中文
- 一定要采用公司邮箱地址, 可接收更新通知

已注册用户登录

- 作为云途用户系统及YCT的登录账号
- 支持密码找回和重置



The image shows the Cloud途 (Yuntu) User System interface. It features two main sections: 'User Registration' (未注册用户注册) and 'User Login' (已注册用户登录). The registration section includes fields for username, display name, password, confirmation, company, email, and a checkbox for accepting terms. The login section includes fields for username, password, and a checkbox for automatic login. Both sections include links for password recovery and registration.

未注册用户注册

- * 用户名: [Input Field] 1. 输入想要注册得用户名, 登录时用的账号名称
- * 显示名称: [Input Field] 2. 输入想要显示的账号名称, 中英文均可
- * 密码: [Input Field] 3. 设置登录密码
- * 确认密码: [Input Field] 4. 确认登录密码
- * 工作单位: [Input Field] 5. 输入公司名称, 填写公司全程
- * 电子邮箱: [Input Field] 6. 输入注册用电子邮箱
- * 邮箱验证码: 7. 点击发送验证码, 验证码会发送到上面注册输入的电子邮箱中
- 同意并接受《用户协议》 8. 打开邮箱, 找到验证码, 填入
- 注 册** 9. 同意用户协议 10. 点击注册

已注册用户登录

密码 验证码

用户名、Email或手机号
请输入您的用户名、Email或手机号!

密码
请输入您的密码!

下次自动登录 忘记密码?

登 录

没有账号? [立即注册](#)

● 云途用户系统使用指南 - 开发权限申请及查看

权限申请：新注册账号自动开通SDK及MCAL权限

功能安全库及部分中间组件需先申请权限，每种MCU开发权限需单独申请

SDK



- YTM32B1LE0
- YTM32B1MC0
- YTM32B1MD1
- YTM32B1ME0
- YTM32B1HA0

MCAL



- YTM32B1MC0_MCAL
- YTM32B1MD1_MCAL
- YTM32B1ME0_MCAL
- YTM32B1HA0_MCAL

SafLib



- YTM32B1MC0_SAFETY
- YTM32B1MD1_SAFETY
- YTM32B1ME0_SAFETY
- YTM32B1HA0_SAFETY

NDA Required

开通权限通知：后台开通权限后注册的邮箱会收到开通权限通知

权限查看：可直接在Home栏查看已拥有权限

权限申请



等待后台开通权限



收到开通权限通知



- 开发文档获取
- SDK, MCAL等开发

● 云途用户系统使用指南 - 开发权限申请及查看

权限申请

The screenshot shows the 'Permissions' section of the YUNTU user system. On the left sidebar, the 'Permissions' item is highlighted with a red box and labeled '① 选择权限申请项'. The main content area is titled 'YUNTU权限申请' and displays a list of available permissions: YTM32B1HA0, YTM32B1LE0, YTM32B1MC0, YTM32B1MC0_MCAL, YTM32B1MD1, YTM32B1MD1_MCAL, YTM32B1MD1_SAFETY, YTM32B1ME0, YTM32B1ME0_MCAL, and YTM32B1ME0_SAFETY. A red box highlights the 'Select' dropdown under '您可以申请的权限:' and the '② 选择要需要开通权限的内容' label. Below it, there are fields for '项目名称' (Project Name) and '项目简介' (Project Description), both with red boxes and corresponding instructions: '③ 填入开通全选的选项用于的项目名称' and '④ 填入项目简介'. At the bottom, a red box highlights the '提交申请' (Submit Application) button and the '⑤ 点击提交' (⑤ Click Submit) instruction. A note at the bottom states: '感谢您使用Yuntu的产品,我们收到您的申请后会尽快处理,请耐心等待,申请结果会以邮件的形式通知您,请注意查收!'.

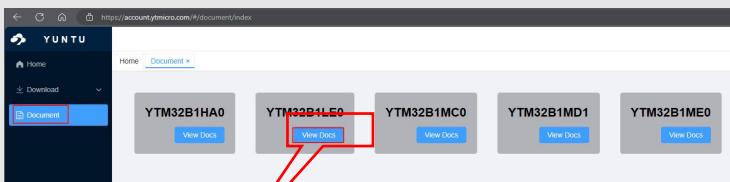
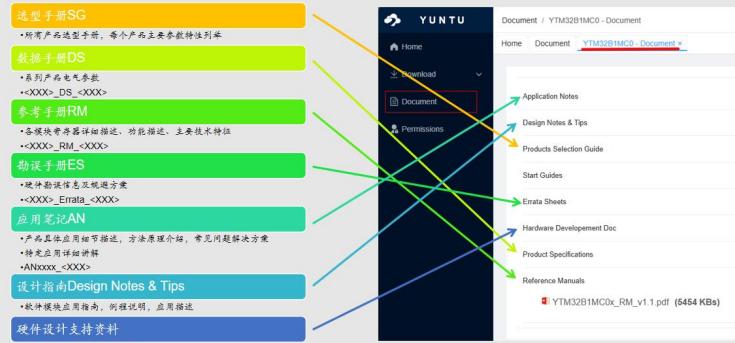
● 云途用户系统使用指南 - 开发权限申请及查看

权限查看

The screenshot shows the YUNTU user system interface at <https://account.ytmicro.com/#/welcome>. The left sidebar has a dark theme with 'YUNTU' logo and navigation links: Home (highlighted), Download, and Document. The main content area has a light background. It displays a welcome message '欢迎, [REDACTED]' and a note about the signature change from Suzhou Yuntu Semiconductor Co., Ltd. to Jiangsu Yuntu Semiconductor Co., Ltd. A red box highlights the '您的权限:' section, which lists ten permissions: YTM32B1HA0, YTM32B1LE0, YTM32B1MC0, YTM32B1MC0_MCAL, YTM32B1MD1, YTM32B1MD1_MCAL, YTM32B1MD1_SAFETY, YTM32B1ME0, YTM32B1ME0_MCAL, and YTM32B1ME0_SAFETY. Another red box highlights the '作为我们的用户, 您可以享受以下功能:' section, which includes: 软件最新发布信息, 软件包下载服务, License 的在线申请, and 文档查看和下载. At the bottom, a gray bar states: '我们致力于为您提供最优质的服务体验。'

● 云途用户系统使用指南 - 生态资料获取

开发文档



Application Notes
Design Notes & Tips
Products Selection Guide
Start Guides
Errata Sheets
Hardware Development Doc
McAL Reference Manuals
Product Specifications
Reference Manuals

← YCT工具使用手册

← MCAL用户手册

开发工具

- **YCT软件安装包**
- **云途IDE安装包**

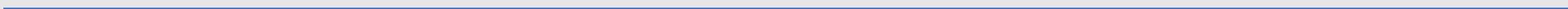
A screenshot of the 'YT Config Tool Download Pages' page. It shows a sidebar with 'YT Config Tool' selected. Below the sidebar, it lists several versions of the YT Config Tool, with 'YT Config Tool 2.4.0' highlighted as the newest version. Each version entry includes a 'Download' button.

软件包: **SDK、MCAL、SafLib、中间组件等离线包**

A screenshot of the 'YUNTU SDK Download Pages' page. It shows a sidebar with 'SDK Packages' selected. Below the sidebar, it lists several product series: YTM32B1HA0/, YTM32B1LE0/, YTM32B1MC0/, YTM32B1MD1/, and YTM32B1ME0/. For each series, it shows a table of available packages. For example, under YTM32B1ME0/, there are entries for 'freertos' (version 1.0_5, Middleware) and 'utility-print' (version 1.0_4, Middleware). Each entry includes a 'Download' button in the 'Operations' column.

03

云途技术论坛





云途技术论坛 (Ytmicro Forum) 作为云途用户技术交流社区，可在社区中搜索各种技术问题解决方案，发布技术问题及技术博客。

<https://forum.ytmicro.com/>

- 通过YCT账号直接登录发帖
- 无YCT账号仅能查看技术贴

The screenshot shows the main interface of the YunTu Forum. On the left is a vertical sidebar with icons for Home, Categories, Posts, Announcements, Members, and Help. The main content area has several sections:

- 云途内部**: Includes links to **DOC BUGS**, **SDK BUGS**, and **MCAL BUGS**. Statistics: 26 主题, 67 帖子. A recent post from 2天之前 says: 推荐客户使用最新的SDK，新的SDK里已经有此bug的修复和规范解决.
- Announcements**: Announcements regarding our community. Statistics: 0 主题, 0 帖子. No new topics.
- Discussion & Question**: A place to talk about whatever you want or ask a question. Statistics: 96 主题, 317 帖子. A recent post from 15分钟之前 says: image.png image.png...
Sub-categories include: 开发环境搭建, YTM32Z系列, YTM32B1H系列, YTM32B1M系列, YTM32B1L系列, YT SDK, and YT MCAL.
- Blogs**: Blog posts from individual members. Statistics: 7 主题, 9 帖子. A recent post from 大约20小时前 says: 有时候我们需要编译其他第三方的库，这个在CAMKE里面只需要加如下一句话即可：...

04

YCT(YT Config Tool)使用入门

- ✓ 概述
- ✓ 权限及离线license
- ✓ 软件组件包安装
- ✓ Demo程序获取
- ✓ 工程建立及通用设置

YCT使用入门 - 概述

YCT软件主要实现云途各系列MCU软件的快速开发，例程下载，开发文档查看下载。

- 自动在线升级
- 离线应用
- 软件包组件可选安装，离线手动安装



软件工程 配置开发

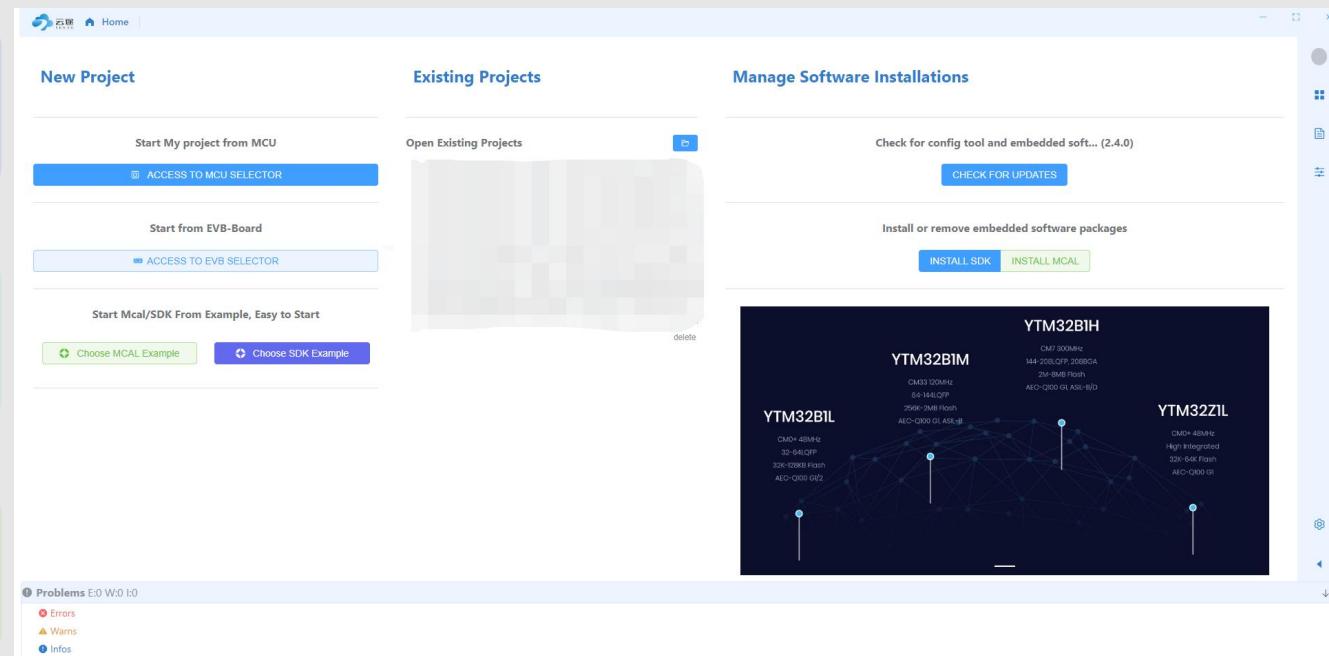
- 支持基于SDK的工程配置
- 支持基于AUTOSAR MCAL的工程配置
- 直接生成IAR、KEIL、云途IDE，VSCode+GCC等IDE环境可编译工程

Demo例程 下载

- 已开通权限的MCU的各外设模块应用例程的下载查看调试。
- SDK例程
- MCAL例程，SafLib例程

开发文档 获取

- 生态资料的大部分开发文档可直接通过YCT进行查看下载



YCT使用入门 - 权限及离线license

YCT软件在线（电脑联网状态）可在线使用，也可离线（未连接互联网）使用。

在线使用

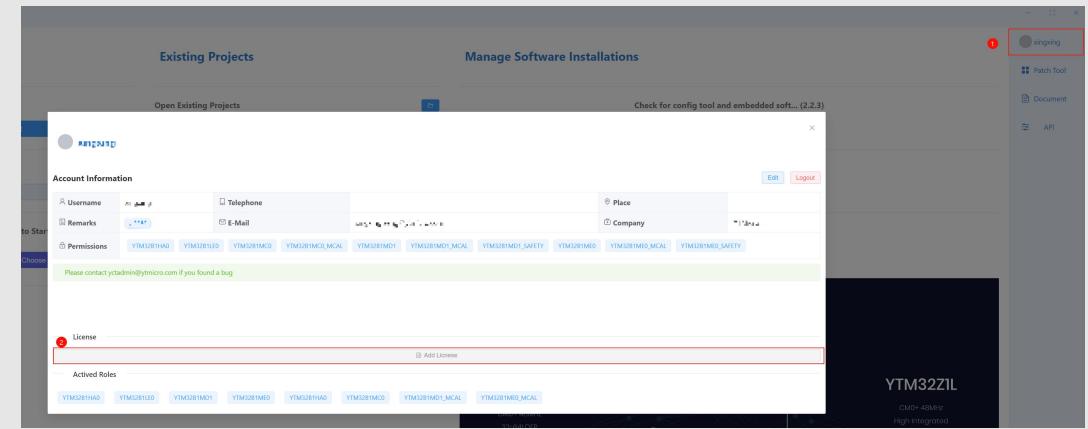
1. 登录云途账号
2. 在线安装软件组件包

The screenshot shows the YCT software interface. At the top, there's a navigation bar with 'Home', 'New Project', 'Existing Projects', and 'Manage Software Installations'. The 'Manage Software Installations' tab is active, displaying a list of software packages and options to check for updates or install MCAL. Below this is a preview window for the 'YTM32BIH' board, showing its CMOS, I/O, and power specifications. The bottom half of the screenshot shows the 'User & License' login screen with fields for 'Username' (yt0069) and 'Password', and a 'Login' button highlighted with a red border.

离线使用

2.6.3以后的YCT工具支持加载用户自己申请的离线License

1. 申请离线license
网页在线权限申请功能
2. 手动添加离线license

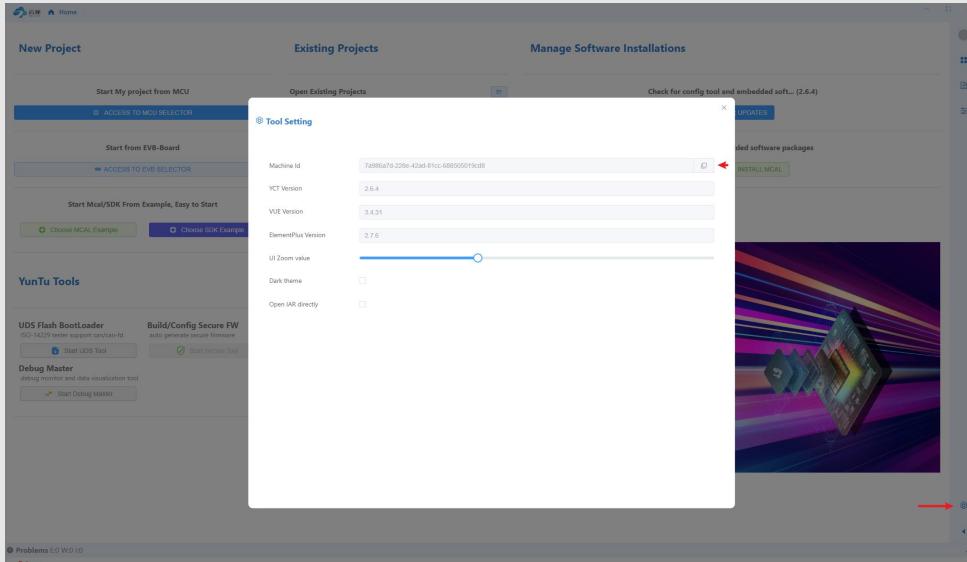


3. 离线安装软件组件包

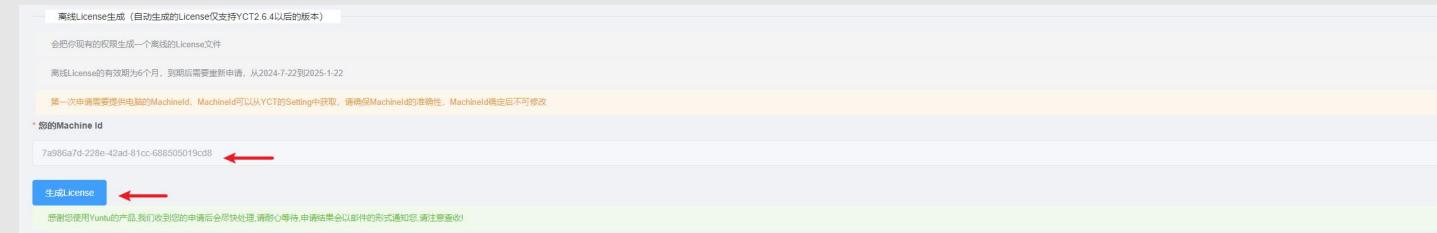
YCT使用入门 – 离线License文件生成

2.6.4版本以后的YCT支持使用自动生成的License文件

1. 复制目标电脑的Machine ID



2. 在用户系统网页端输入Machine ID，然后点击生成，保存license.json文件



3. Machine ID一旦输入后，会和账号进行绑定，下次到期后，直接重新点击生成即可。

YCT使用入门 - 软件组件包安装

组件包包含基于SDK和MCAL两种不同开发方式

Manage Software Installations

Check for config tool and embedded soft... (2.4.0)

CHECK FOR UPDATES

基于SDK的组件包安装

Install or remove embedded software packages

INSTALL SDK

INSTALL MCAL

基于MCAL的组件包安装

SDK	标识
SDK基础包	SDK
freertos组件包	Middleware
utility-print组件包	Middleware

MCAL	标识
MCAL基础包	SDK
SafLib组件包	MCAL_EXT

YTM32B1MD1/		
Name	Version	Type
YTM32B1MD1	1_2_1	SDK
freertos	1_1_0	Middleware
utility-print	1_1_0	Middleware
YTM32B1MD1	2_0_0	MCAL
safety	1_0_0	MCAL_EXT

在线安装软件组件包

① 选择相应的MCU系列型号

Name	Version	Type	Size	ModifyTime	Operations
YTM32B1ME0	2_0_1	MCAL	Size:5541557Bytes	2024-02-02T09:31:21.000Z	Readme Install ③ 点击安装
② 选择相应的组件包及版本 No middleware available for this release					
YTM32B1ME0	2_0_0	MCAL	Size:5102952Bytes	2023-12-10T09:05:09.000Z	Readme Remove
YTM32B1ME0	1_3_2	MCAL	Size:4679340Bytes	2023-12-04T02:25:33.000Z	Readme Remove
YTM32B1ME0	1_3_1	MCAL	Size:4496605Bytes	2023-11-17T09:15:33.000Z	Readme Remove
YTM32B1ME0	1_2_0	MCAL	Size:5104194Bytes	2024-04-11T08:58:00.000Z	Readme Remove

离线安装软件组件包

1. 在云途用户系统网页端下载离线包

SDK Packages

MCAL Packages

Document

YTM32B1HA0/

YTM32B1LE0/

YTM32B1MC0/

YTM32B1MD1/

YTM32B1ME0/

Name	Version	Type	Size	ModifyTime	Operations
YTM32B1ME0	1_1_1	SDK	Size:5724602Bytes	2023-11-09T09:33:25.000Z	Readme Download
freertos	1_0_3	Middleware	Size:515165Bytes	2023-11-09T09:39:55.000Z	Readme Download
utility-print	1_0_4	Middleware	Size:44287Bytes	2023-11-09T09:16:03.000Z	Readme Download

Middleware available for this release

2. 手动安装

Install Package Manually

YTM32B1HA0/

YTM32B1LE0/

YTM32B1MC0/

YTM32B1MD1/

YTM32B1ME0/

YCT使用入门 - Demo程序获取

Demo程序必须通过YCT工具下载生成工程

The screenshot shows the YCT software interface. The top navigation bar includes a cloud icon, 'Home', and tabs for 'New Project', 'Existing Projects', and 'Manage Software Installations'. The 'New Project' tab is active, displaying options like 'Start My project from MCU' (with 'ACCESS TO MCU SELECTOR'), 'Start from EVB-Board (beta)' (with 'ACCESS TO EVB SELECTOR'), and 'Start Mcal/SDK From Example, Easy to Start' (with 'Choose MCAL Example' and 'Choose SDK Example' buttons). The 'Existing Projects' tab shows a list of existing projects with paths such as C:\Users\cengx\OneDrive\YTMicro_Work\exc\Wdg_Demo.yct and C:\Users\cengx\OneDrive\YTMicro_Work\CustomerAppDemo\ApInv_ELD_Md1_132_1\Ap. The 'Manage Software Installations' tab includes a 'Check for config tool and embedded soft...' section with a 'CHECK FOR UPDATES' button, and a 'Install or remove embedded software packages' section with 'INSTALL SDK' and 'INSTALL MCAL' buttons. A dark banner at the bottom right reads 'YTM32B1H'.

This screenshot shows the 'SDK Examples' interface. On the left, a tree view lists projects for YTM32B1HA0, YTM32B1LE0, YTM32B1MC0, and YTM32B1MD1. The YTM32B1MD1 node is expanded, showing sub-modules like 'Acmp', 'Adc' (selected), 'Cmu', 'Crc', and 'Emu'. The 'Adc' module has its sub-item 'Adc_All_Channel_Demo' selected. The main workspace displays a 'Project Name: Spi_Master_2lines_Demo' field with a red border and the number '1'. To the right of the project name are 'Clone Path' and 'Create Spi_Master_2lines_Demo' buttons. A vertical sidebar on the right contains numbered steps: '① 选择芯片型号' (Step 1: Select chip model), '② 选择外设模块' (Step 2: Select peripheral module), '③ 选择例程' (Step 3: Select example program), '④ 选择下载的目标文件夹' (Step 4: Select target folder for download), and '⑤ 生成demo工程' (Step 5: Generate demo project). A note in the workspace states: 'This project is designed to demonstrate the Spi master module config and usage :'. Under 'Function description', it says: '• Spi.Master_2lines.Demo: Spi master transmit data by 2 parallel data line half-duplex mode.' The 'HW requirement' section at the bottom is partially visible.

YCT使用入门 - 工程建立及通用设置

新建工程

1. 选择目标MCU型号
2. 选择SDK开发包或MCAL开发包

The screenshot shows the YCT software interface with the 'MCU/MPU Selector' dialog box open. The dialog lists several YTM32B1ME0 variants, with the 'SDK' row highlighted. Below the table, there are fields for 'Part Number' (YTM32B1ME0), 'Type' (MCAL), and 'MCAL Version' (1_3_1). A red box highlights the 'MCAL' entry in the 'Type' field. At the bottom right of the dialog is a 'Choose' button.

New Project

Existing Projects

Manage Software Installations

MCU/MPU Selector

Family	Type	Part Number	Package	Flash	RAM	I/O	GPIO	ADC Channels	CAN	Frequency
YTM32B1ME0	SDK	YTM32B1ME05G0MLQT	LQFP	1.25MB	128KB	144	126	48	6	120MHz
YTM32B1ME0	SDK	YTM32B1ME05G0MLLT	LQFP	1.25MB	128KB	100	87	32	6	120MHz
YTM32B1ME0	SDK	YTM32B1ME05G0MLHT	LQFP	1.25MB	128KB	64	56	27	6	120MHz
YTM32B1ME0	MCAL	-	LQFP	1.25MB	128KB	-	-	-	-	120MHz

1. 选择MCAL开发包

2. 选择MCAL开发包版本, 建议采用最新的MCAL版本

3. 选择确认 **Choose**

Problems: E:4 W:0 I:0
Errors [2]
PM [3]
[name-0]: Please input project name;
[path-0]: Please choose project location;
[linkfile-0]: linkfile is required;
Platform [1]

YCT使用入门 - 工程建立及通用设置

SDK工程配置功能

Pin复用功能配置



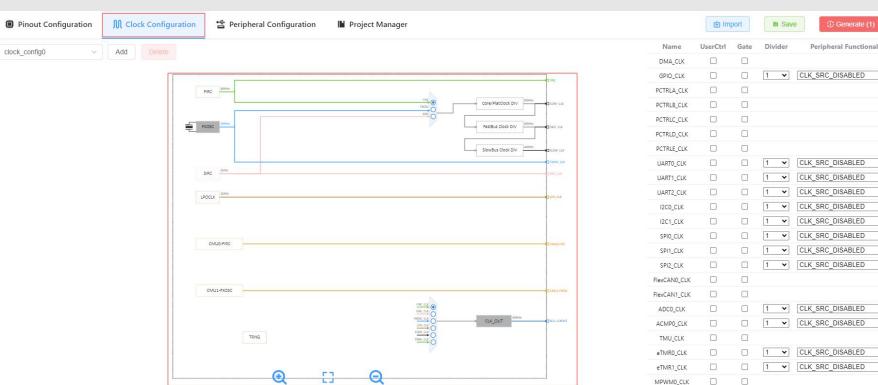
- Pin复用功能配置
- PinMux配置导出为Excel

外设模块初始化配置

Peripherals	Name	Number	Enable	Priority	SDK Interrupt Handle	New Interrupt Handle
YLINK	NMI_RQn	-14	<input type="checkbox"/>	2	NMI_Handler	
	HardFault_RQn	-13	<input type="checkbox"/>	-1	HardFault_Handler	
IMCII	MemManage_RQn	-12	<input type="checkbox"/>	0	MemManage_Handler	
DMA	DMA_RQn	-11	<input type="checkbox"/>	0	BusFault_Handler	
SPI	UsageFault_RQn	-10	<input type="checkbox"/>	0	UsageFault_Handler	
CAN	SVC_RQn	-5	<input type="checkbox"/>	0	SVC_Handler	
UIC	DebugMon_RQn	4	<input type="checkbox"/>	0	DebugMon_Handler	
TMU	PendSV_RQn	-2	<input type="checkbox"/>	0	PendSV_Handler	
PTMR	SyTick_RQn	-1	<input type="checkbox"/>	0	SyTick_Handler	
LPTMR	DMAM1_RQn	0	<input type="checkbox"/>	0	DMAM1_IRQHandler	
ETMR	DMAM1_RQn	1	<input type="checkbox"/>	0	DMAM1_IRQHandler	
ADC	DMAM2_RQn	2	<input type="checkbox"/>	0	DMAM2_IRQHandler	
CRC	DMAM2_RQn	3	<input type="checkbox"/>	0	DMAM2_IRQHandler	
ACMP	Reserved1_RQn	4	<input type="checkbox"/>	0	Reserved1_IRQHandler	
EWDOG	Reserved4_RQn	5	<input type="checkbox"/>	0	Reserved4_IRQHandler	
WDOG	Reserved5_RQn	6	<input type="checkbox"/>	0	Reserved5_IRQHandler	
HCU	Reserved6_RQn	7	<input type="checkbox"/>	0	Reserved6_IRQHandler	
TRNG	Reserved7_RQn	8	<input type="checkbox"/>	0	Reserved7_IRQHandler	
EMU	Reserved8_RQn	9	<input type="checkbox"/>	0	Reserved8_IRQHandler	
Flash	Reserved9_RQn	10	<input type="checkbox"/>	0	Reserved10_IRQHandler	
	Reserved11_RQn	11	<input type="checkbox"/>	0	Reserved11_IRQHandler	
	Reserved12_RQn		<input type="checkbox"/>	0	Reserved12_IRQHandler	

- 外设模块初始化配置
- 中间件配置, FreeRTOS 等

系统时钟树配置



YCT使用入门 - 工程建立及通用设置

SDK工程导出PinMux配置

The screenshot shows the YCT software interface with the following details:

- Top Bar:** Cloud YCT, Home, SDK 1.1.1, Hello_World_Demo : YTM32B1ME0.
- Navigation:** Pinout Configuration, Clock Configuration, Peripheral Configuration, Project Manager.
- Project Manager Dialog:** Generate Code section. A red box highlights the "Generate" button and the "Generate Pins Excel" option. Red arrows point from the text "先导出样例工程" (First export sample project) and "可以导出引脚配置Excel文件" (Can export pin configuration Excel file) to these respective buttons.
- Bottom Window:** An Excel spreadsheet titled "pins.xlsx" showing pin configuration data. The columns include: A (BASE), B (GPIOBASE), C (NUM), D (LABEL), E (FEATURE), F (ALT), G (INTCFG), H (DIRECTION), I (PULLENABLE), J (PULLSELECT), K (FILTER), L (PASSIVEFILTER), M (STRENGTH), N (INTFLAG), and O (INI). The data rows are as follows:

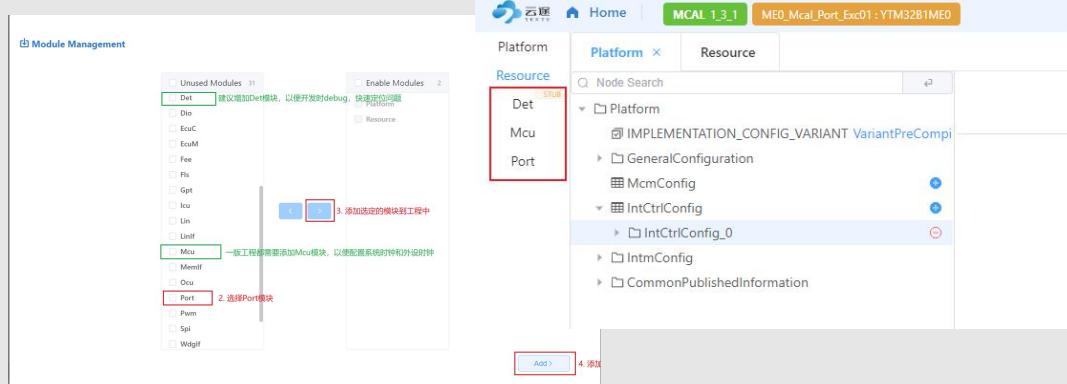
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	BASE	GPIOBASE	NUM	LABEL	FEATURE	ALT	INTCFG	DIRECTION	PULLENABLE	PULLSELECT	FILTER	PASSIVEFILTER	STRENGTH	INTFLAG	INI
2	PCTRLA	GPIOA	143	PTA_9	LINFlexD2_TX	PCTRL_MUX_ALT2	PCTRL_DMA_INT_DISABLED		0		FALSE	FALSE	PCTRL_LOW_DRIVE_STRENGTH	FALSE	
3	PCTRLA	GPIOA	144	PTA_8	LINFlexD2_RX	PCTRL_MUX_ALT2	PCTRL_DMA_INT_DISABLED		0		FALSE	FALSE	PCTRL_LOW_DRIVE_STRENGTH	FALSE	
4	PCTRLE	GPIOE	1	PTE_16	SPI2_SIN	PCTRL_MUX_ALT3	PCTRL_DMA_INT_DISABLED		0		FALSE	FALSE	PCTRL_LOW_DRIVE_STRENGTH	FALSE	
5															
6															
7															
8															
9															

导出的Excel文件位于源码工程的board目录下

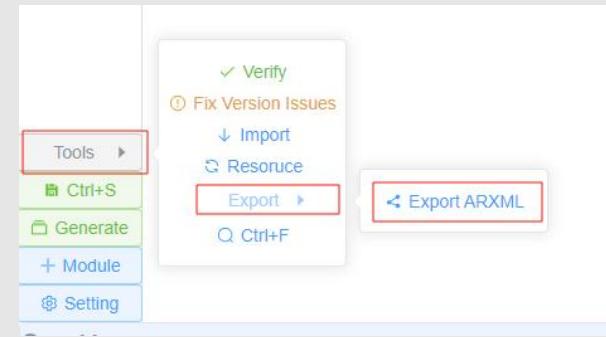
YCT使用入门 - 工程建立及通用设置

MCAL工程配置功能

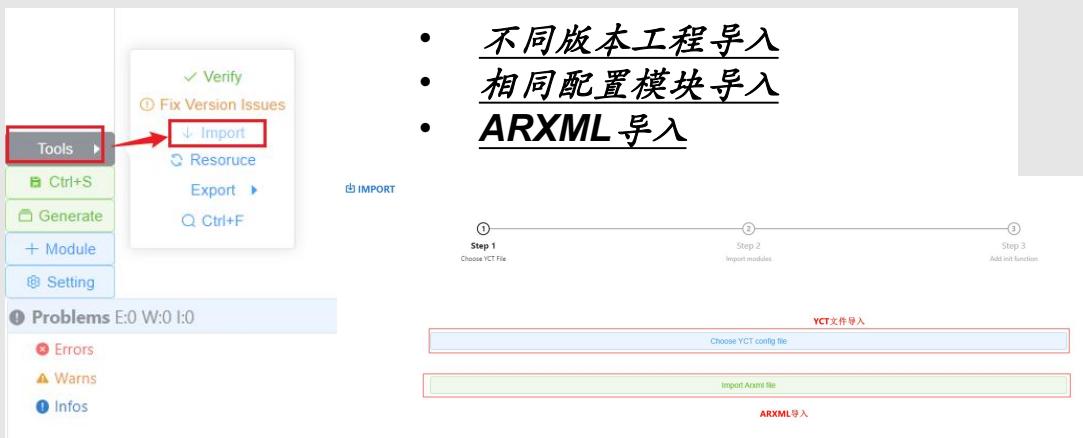
AutoSAR MCAL工程生成



ARXML文件导入导出

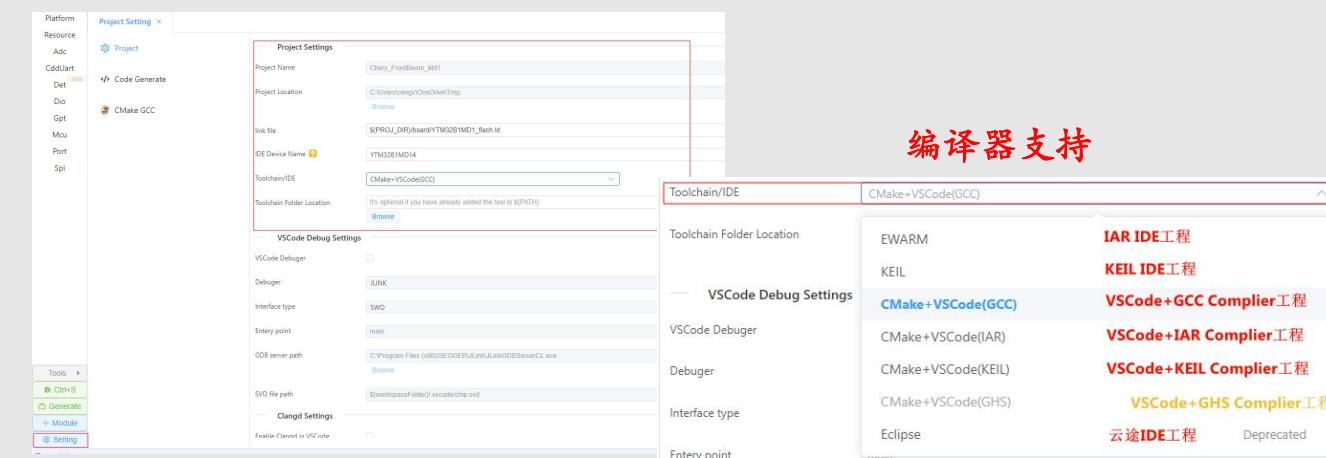


工程导入



- 不同版本工程导入
- 相同配置模块导入
- ARXML 导入

工程管理



谢谢

THANK YOU
