



2016

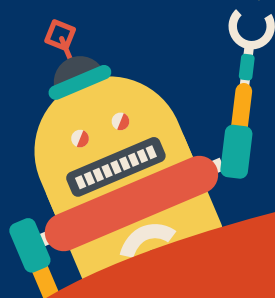
TI 嵌入式产品研讨会

亮点不断 精彩不停



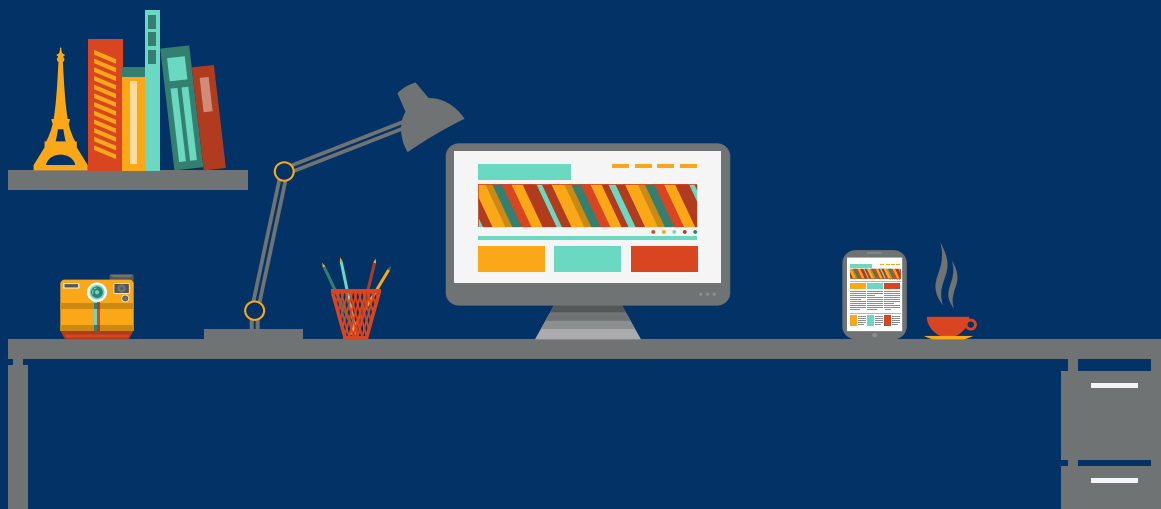
TEXAS INSTRUMENTS

TI 嵌入式产品研讨会 线上首映



2016 年 7 月 ~8 月，
TI 嵌入式产品研讨会先后在六大城市进行。
有主题，有动手，有新品，有应用。
翻开本书，跟着我们，
一起重温线下的精彩吧！

只为不能出门，宅在家的你！



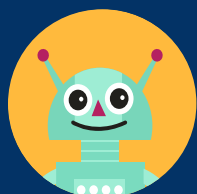
目录



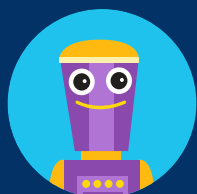
主题讲座一 MSP430™ 超低功耗微控制器.....	4
MSP430™：低功耗开发全攻略	5
MSP432™：低功耗 DNA 与 ARM 的完美集合.....	6
CapTIvate™ 引爆触摸新体验.....	7
NFC: 拥有数亿台设备作为强大后盾	8



主题讲座二 C2000™ 32 位微控制器.....	9
C2000™概述及产品路线图	10
C2000™新能源车解决方案	11
C2000™数字电源解决方案	12
C2000™工业驱动与自动化	13
DesignDRIVE 中 EtherCAT 通信支持	14
Hercules™：只为更安全	15



主题讲座三 TI 无线连接.....	16
TI 无线解决方案助力工业 4.0.....	17



主题讲座四 TI 处理器	18
高性能 TI 处理器概述.....	19
Sitara™产品家族介绍.....	20
KeyStone™ 产品家族介绍	21
处理器 SDK 介绍.....	22
深入 Sitara™：PRU 介绍.....	23

版权声明	24
------------	----



下载有奖	25
------------	----



MSP430™ 超低功耗微控制器

一个平台，一个生态系统，无限种可能。利用超低功耗微控制器中的创新和可实现精确感应与测量的外设实现互联世界。

MSP430™：低功耗开发全攻略



课程 PPT

MSP430 家族

MSP430 应用

MSP430 工具与软件

MSP430 外设

MSP432™：低功耗 DNA 与 ARM 的完美集合



课程 PPT

MSP432 家族

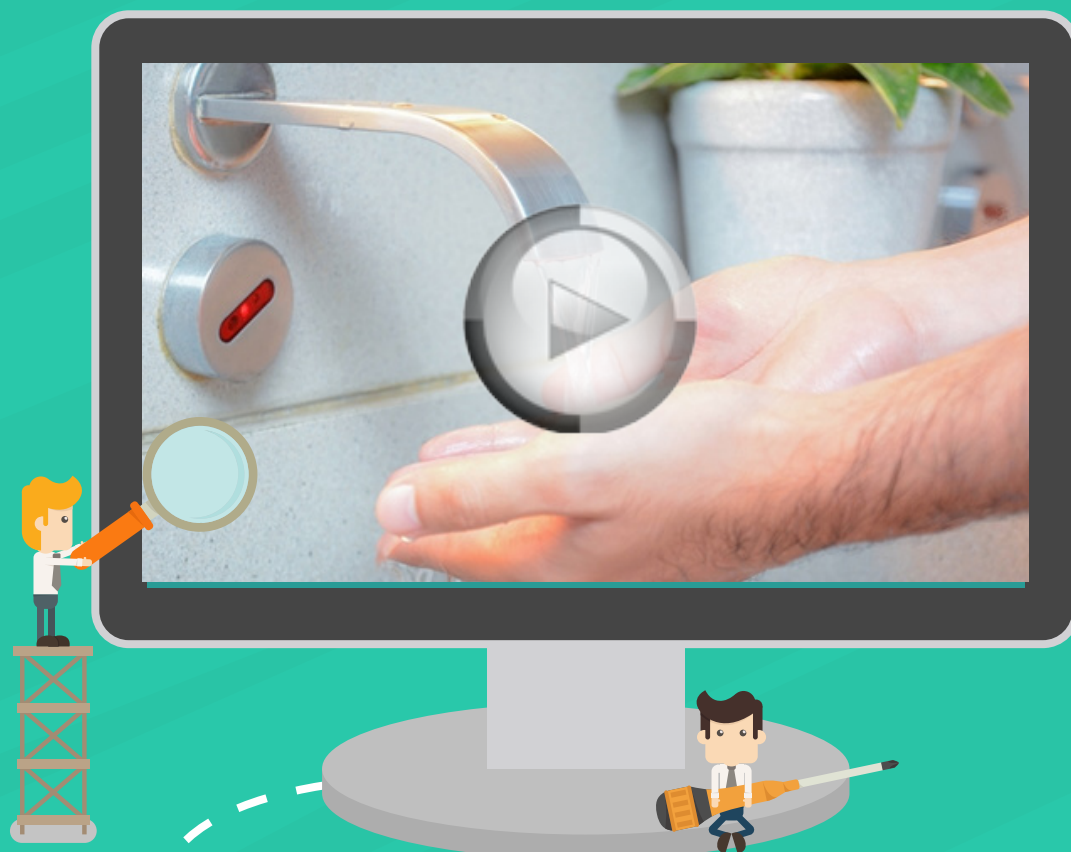
MSP432 入门

MSP432 工具与软件

MSP432 支持与培训



CapTlvate™ 引爆触摸新体验



课程 PPT

什么是 CapTlvate ?

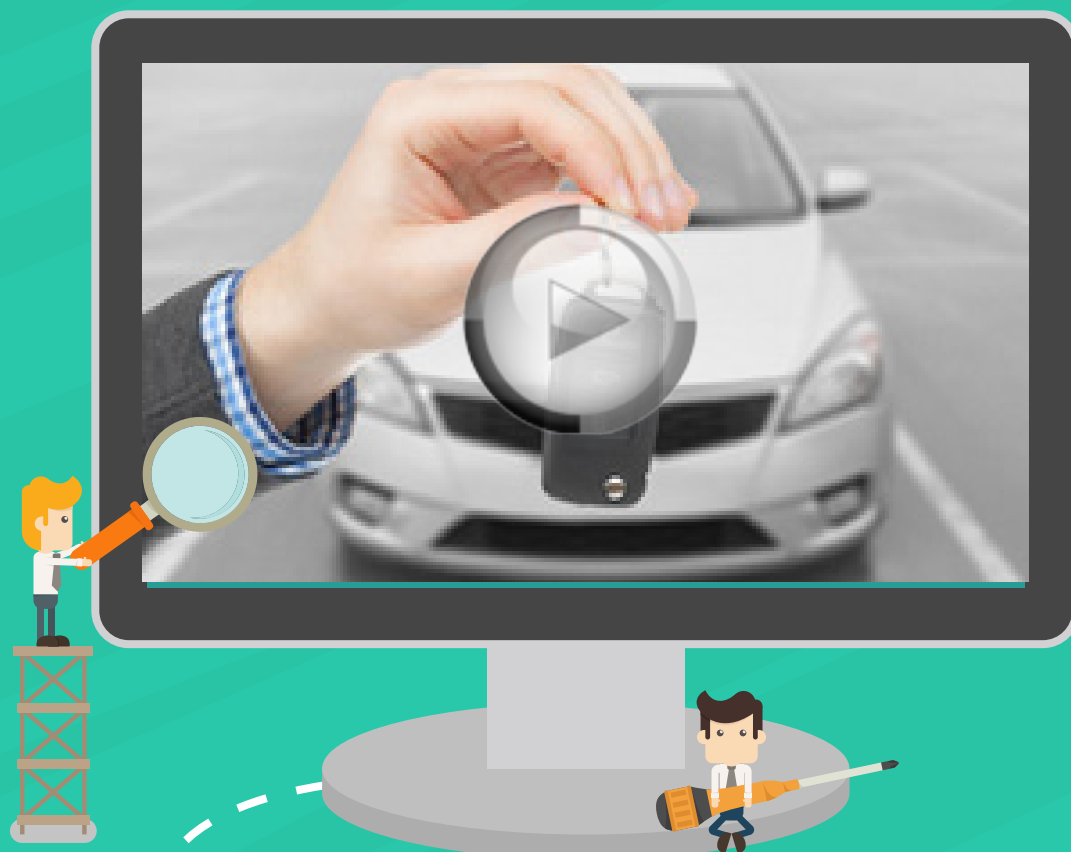
CapTlvate MCU 开发工具

CapTlvate 设计中心下载

CapTlvate 技术文档

回到目录

NFC: 拥有数亿台设备作为强大后盾



课程 PPT

了解 NFC

NFC 产品类型

NFC 应用

NFC 工具与软件

[回到目录](#)



C2000™ 32 位微控制器

已针对处理、传感和驱动进行优化以提高闭环性能的 32 位微控制器。

C2000™概述及产品路线图



课程 PPT

C2000 家族

C2000 应用图解

C2000 工具与软件

C2000 模拟集成

C2000™新能源车解决方案



课程 PPT

混合动力、电动和动力传动系统概述

C2000 交通运输应用

C2000 工具与软件

C2000 技术文档

C2000™数字电源解决方案



课程 PPT

C2000 数字电源应用

PowerSUITE 数字电源软件工具

数字电源软件库

数字电源培训系列

C2000™工业驱动与自动化



课程 PPT

C2000 工业驱动与自动化应用

DesignDRIVE 软件

工业驱动技术指南

[回到目录](#)

DesignDRIVE 中 EtherCAT 通信支持



课程 PPT

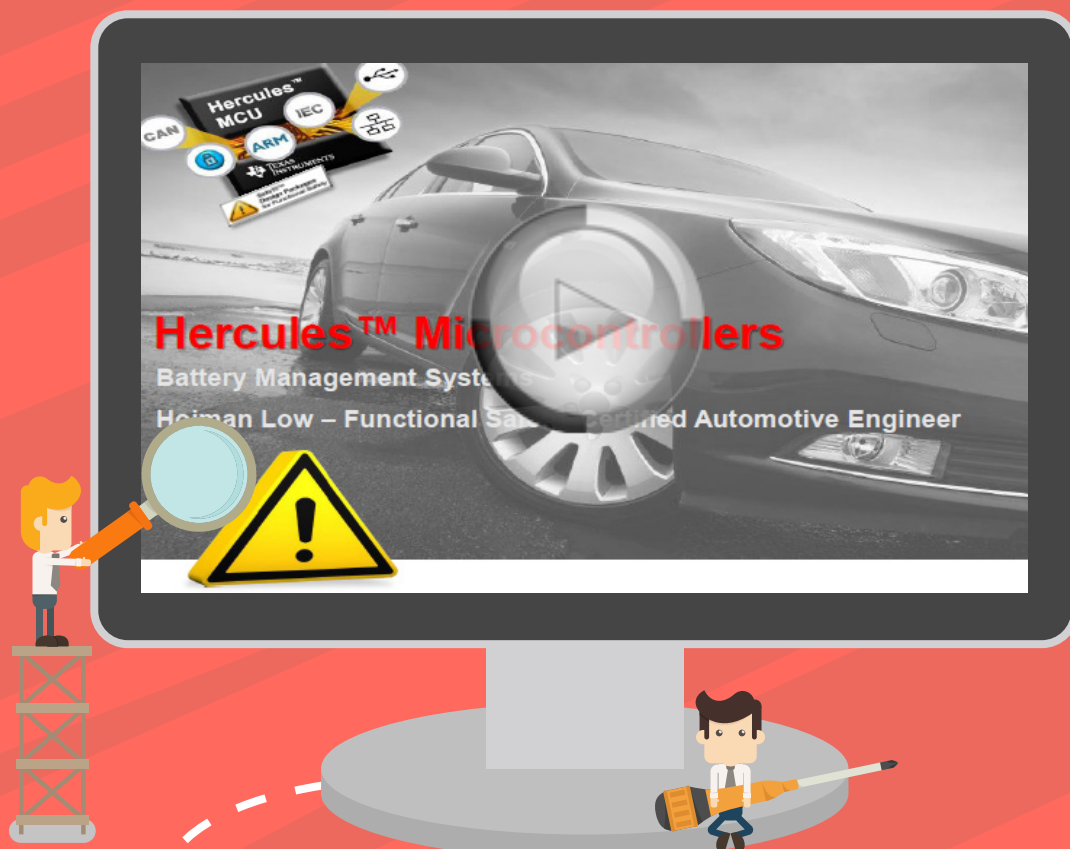
DesignDRIVE 套件

工业通信支持的协议和参考设计

如何选择适合的工业以太网标准？

观看培训：工业通信简介

Hercules™：只为更安全



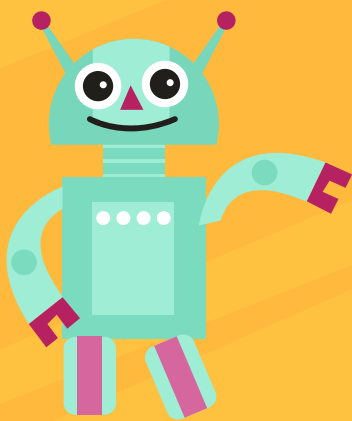
课程 PPT

Hercules MCU 家族

Hercules 产品手册

安全 MCU 应用

汽车安全：Hercules TMS570 MCU



TI 无线连接

使用最广泛的无线连接产品系列，连接更多

TI 无线解决方案助力工业 4.0



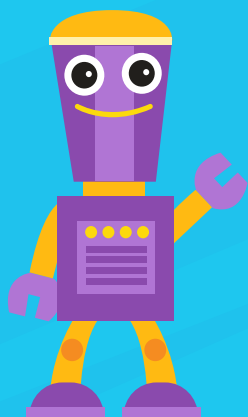
课程 PPT

TI 无线家族

TI 使物联网 (IoT) 连接更丰富

工厂自动化与控制系统解决方案

Connected Sensors Building Automation Systems Guide



TI 处理器

广泛而深入的产品组合，无可匹敌的创新与
专业技术，全球支持



高性能 TI 处理器概述



课程 PPT

TI 处理器家族

Sitara™ 处理器让您超越内核

KeyStone™ 架构入门

TI DLP® 技术概述

TI Designs（参考设计库）

回到目录

Sitara™产品家族介绍



课程 PPT

Sitara 处理器让您超越内核

Sitara 处理器应用

Sitara 处理器工具与软件

[回到目录](#)

KeyStone™ 产品家族介绍



课程 PPT

KeyStone 架构入门



处理器 SDK 介绍



课程 PPT

处理器 SDK：一个软件平台，一应俱全

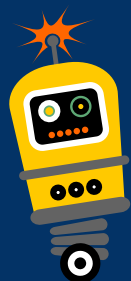
深入 Sitara™：PRU 介绍



课程 PPT

PRU 实时 I/O 评估参考设计





版权声明

- 1、《2016 TI 嵌入式产品研讨会》著作权由 TI 拥有。
- 2、本着开源思想，我们授权任何对 TI 嵌入式技术研讨会感兴趣的工程师免费下载、复制、传播该书。
- 3、用于商业用途须经 TI 书面同意。

关注我们



下载有奖

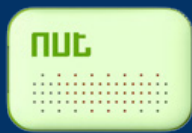
即日起 -2016 年 10 月 11 日

凡成功下载本册电子书，点击下方抽奖链接



填写相关资料，即有机会获赠以下礼品。

礼品图

			
1份 LEGO创意积木套装	5份 纽曼头戴式蓝牙耳机	10份 YODO防潮垫	30份 nut防丢贴片



IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, enhancements, improvements and other changes to its semiconductor products and services per JESD46, latest issue, and to discontinue any product or service per JESD48, latest issue. Buyers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All semiconductor products (also referred to herein as "components") are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its components to the specifications applicable at the time of sale, in accordance with the warranty in TI's terms and conditions of sale of semiconductor products. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by applicable law, testing of all parameters of each component is not necessarily performed.

TI assumes no liability for applications assistance or the design of Buyers' products. Buyers are responsible for their products and applications using TI components. To minimize the risks associated with Buyers' products and applications, Buyers should provide adequate design and operating safeguards.

TI does not warrant or represent that any license, either express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI components or services are used. Information published by TI regarding third-party products or services does not constitute a license to use such products or services or a warranty or endorsement thereof. Use of such information may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

Reproduction of significant portions of TI information in TI data books or data sheets is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions.

Resale of TI components or services with statements different from or beyond the parameters stated by TI for that component or service voids all express and any implied warranties for the associated TI component or service and is an unfair and deceptive business practice. TI is not responsible or liable for any such statements.

Buyer acknowledges and agrees that it is solely responsible for compliance with all legal, regulatory and safety-related requirements concerning its products, and any use of TI components in its applications, notwithstanding any applications-related information or support that may be provided by TI. Buyer represents and agrees that it has all the necessary expertise to create and implement safeguards which anticipate dangerous consequences of failures, monitor failures and their consequences, lessen the likelihood of failures that might cause harm and take appropriate remedial actions. Buyer will fully indemnify TI and its representatives against any damages arising out of the use of any TI components in safety-critical applications.

In some cases, TI components may be promoted specifically to facilitate safety-related applications. With such components, TI's goal is to help enable customers to design and create their own end-product solutions that meet applicable functional safety standards and requirements. Nonetheless, such components are subject to these terms.

No TI components are authorized for use in FDA Class III (or similar life-critical medical equipment) unless authorized officers of the parties have executed a special agreement specifically governing such use.

Only those TI components which TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components which have **not** been so designated is solely at the Buyer's risk, and that Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.

Products

Audio	www.ti.com/audio
Amplifiers	amplifier.ti.com
Data Converters	dataconverter.ti.com
DLP® Products	www.dlp.com
DSP	dsp.ti.com
Clocks and Timers	www.ti.com/clocks
Interface	interface.ti.com
Logic	logic.ti.com
Power Mgmt	power.ti.com
Microcontrollers	microcontroller.ti.com
RFID	www.ti-rfid.com
OMAP Applications Processors	www.ti.com/omap
Wireless Connectivity	www.ti.com/wirelessconnectivity

Applications

Automotive and Transportation	www.ti.com/automotive
Communications and Telecom	www.ti.com/communications
Computers and Peripherals	www.ti.com/computers
Consumer Electronics	www.ti.com/consumer-apps
Energy and Lighting	www.ti.com/energy
Industrial	www.ti.com/industrial
Medical	www.ti.com/medical
Security	www.ti.com/security
Space, Avionics and Defense	www.ti.com/space-avionics-defense
Video and Imaging	www.ti.com/video

TI E2E Community

e2e.ti.com