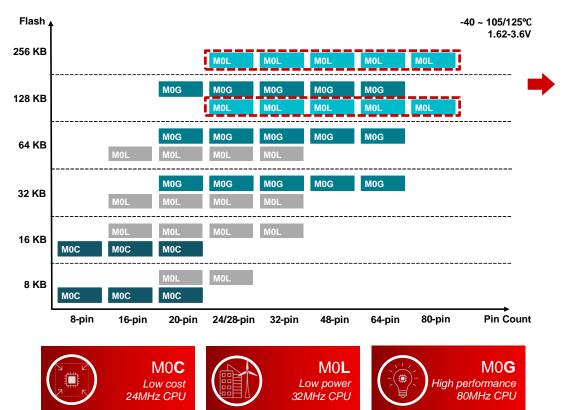


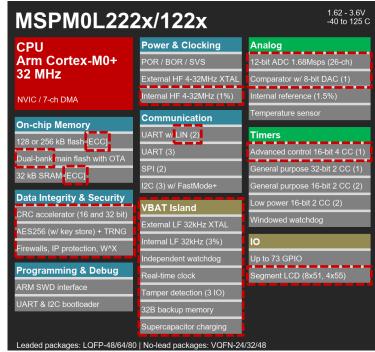
## **Agenda**

- MSPM0Lx22x Product Overview
- MSPM0Lx22x Ecosystem Overview
- MSPM0Lx22x Key Applications and Benefits

Please feel free to "chat" *Amruta, MSP HSM Systems Manager* who is available to answer any questions you have throughout this presentation.

### MSPM0Lx22x Product Overview





- ✓ Pin-to-pin compatible
- ✓ Unified software development kit & tools
- ✓ TI multi-sourced manufacturing

You can start evaluating this device leveraging the following:

Content type	Content title	Link to content or more details	
Product folder	MSPM0L2228 / MSPM0L1228 Product Folders	MSPM0L1228 data sheet, product information and support   Tl.com  MSPM0L2228 data sheet, product information and support   Tl.com	
Development tool or evaluation kit	LP-MSPM0L2228 Evaluation Module MSPM0-SDK Software Development Kit	LP-MSPM0L2228 Evaluation board   Tl.com MSPM0-SDK Software development kit (SDK)   Tl.com	
Customer training series or webinar session	MSPM0 Academy Tutorials	MSPM0 Academy (ti.com)	
Technical blog content or white paper	MSPM0Lx22x Microcontrollers Enabling Low-Power Display and Security Designs	MSPM0Lx22x Microcontrollers Enabling Low-Power Display and Security Designs (ti.com)	
Selection and design tools and models	MSPM0 Landing Page – online selection tool, design & development tools, educational resources, applications	MSPM0 Landing Page	



### Get started at the TI Developer Zone dev.ti.com

# Hardware & Partners

#### Low-cost Launchpad with on-board debug



#### **Ecosystem of third-party tool partners**





# ARM SEGGER www.segger.com

## Software & Applications

#### **Hundreds of code examples**



#### Subsystem examples for common use-cases



#### **Broad selection of middleware**

Motor control	Automotive	Grid	Math Libraries
Security	Building Automation	Medical	Factory Automation

## Educational Resources

#### Learn MCU concepts with Precision Labs



#### Hands-on self-paced training with Academies







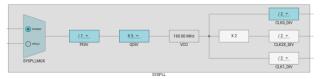


ti.com/tool/sysconfig

#### Select and set up peripherals

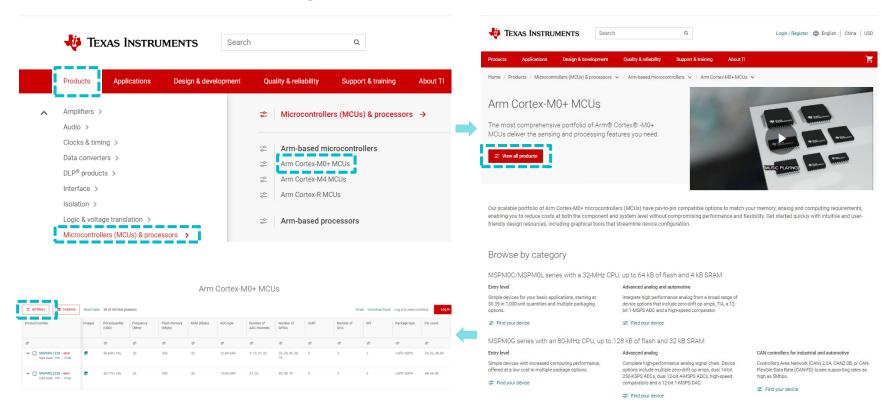


#### **Configure & optimize clock system**



#### Solve pin multiplexing challenges







## MSPM0Lx22x Key Applications and Benefits



Flow Meter



Thermostat



**Blood Pressure Monitor** 



Weigh Scale

- Energy infrastructure
- Building automation
- Medical & healthcare
- <u>Test & measurement</u>
- Unlimited possibilities!

### Up to 8×51 and 4×55 LCD displays

Suitable for multiple display applications

### **VBAT** auxiliary supply domain

1.1µA standby current with RTC retained Supercapacitor supply option with charging mode support

### **Dual-bank Flash**

Supporting field firmware updates

## **Security**

AES with KeyStore Flexible firewalls PSA-L1 certification...

### Reliability

-40 ~ 125°C Flash/SRAM with ECC Independent watchdog...





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