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Kinetis K Series Mcus New

Kinetis K series MCUs offer optimized performance, scalable integration, and low-power capabilities.
Standard Key Features:
UART, I²C, I²S, SPI,

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16-bit ADC, 12-bit DAC,
timers, comparators
and GPIO. Firmware
Upd.

Kinetis® K Series: High-Performance Microcontrollers (MCUs ...

Based on ARM®
Cortex®-M4 Cores.
NXP's Kinetis K series
microcontroller (MCU)
portfolio includes high-
performance 32-bit
MCUs built on the
ARM® Cortex®-M4

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core. This series is designed for scalable performance, integration, connectivity, communications, HMI and security and offers additional features for exceptional integration with multiple fast 16-bit analog-to-digital converters (ADCs), digital-to-analog converters (DACs) and a programmable-gain amplifier (PGA), along with powerful, ...

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Kinetis K Series MCUs - NXP Semiconductor **DigiKey**

The Kinetis K series MCU portfolio is supported by a comprehensive set of software and development tools with the next-generation devices, offering optimized performance and power-efficiency with industry-leading low-dynamic power

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consumption and best-in-class flexible low-power modes. Kinetis K0x MCU Family - Low Power, Entry level MCUs

Next Generation Kinetis K Series - NXP | DigiKey

Performance efficient Kinetis ® K60/61 MCUs offer outstanding computational power for control algorithms, sensor data processing, and audio

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processing. Delivers industry-leading low power while providing significant bill-of-materials savings through smart on-chip integration Includes options for security encryption and tamper detection

Arm®
Cortex®-M4|Kinetis
K60/61-120-150 MHz
32-bit MCUs | NXP
NXP Kinetis K Cortex-
M4 Microcontrollers are

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available at Mouser as
the most scalable M4
MCUs in the industry.

Kinetis K 32-bit Microcontrollers - NXP Semiconductors

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Kinetis K60 - 100 MHz,
Ethernet, USB, Analog
Integration
Microcontrollers
(MCUs)

**Arm®
Cortex®-M4|Kinetis
K60 100 MHz 32-bit**

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Overview The Kinetis K10 50 MHz family of baseline, low-power MCUs offers high feature integration in a small form factor, making them ideal for space-and cost-constrained applications. Provides a scalable entry point into the mid-performance Kinetis portfolio

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M4|Kinetis K10 50 MHz 32-bit MCUs | NXP

Kinetis® K Series: High
Performance
Microcontrollers

(MCUs) based on Arm®
Cortex®-M4 Core

OVERVIEW The Kinetis
K0x MCU family, based
on the Arm Cortex-M4
core, is the new entry
point into the Kinetis K
series MCU portfolio
and provides a bridge
from the Kinetis L
series MCU family.

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Devices start from 64
KB of flash and are
offered in several

Kinetis K Series Microcontrollers (MCUs)

module for Kinetis K
series MCUs. You may
also have heard SAI
referenced as
Integrated Interchip
Sound -or I-squared- S
(I2S). These terms are
all used
interchangeably. In this
session, you'll learn

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about the SAI, its main features and the application benefits of leveraging this function. 0

SAI for Kinetis K Series MCUs | Training - PDF

The Kinetis K0x MCU family, based on the ARM Cortex-M4 core, is the new entry point into the Kinetis K series MCU portfolio and provides a bridge from the Kinetis L series

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MCU family. Devices start from 64 KB of flash and are offered in several small-footprint package options.

Kinetis K Series MCUs - Arrow Electronics

NXP Semiconductor
Kinetis K 32-bit
Microcontrollers are
low-power, high-
performance 32-bit
MCUs based on 32-bit
Arm® Cortex®-M4
Cores.

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Kinetis K 32-bit Microcontrollers - NXP Semiconductors

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Welcome to the Kinetis
Microcontrollers forum.
Get expert advice from
the developer
community. NXP
Support also monitors
these forums to
provide answers and
take your feedback.
Anyone can read
messages, but only
registered members of

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nxp.com can post
questions and/or
responses.

Kinetis Microcontrollers | NXP Community

Simplify development
with an upward
migration path to
Kinetis K series MCUs.
With a comprehensive
enablement bundle,
including low-cost
Tower System and
Freedom boards,
Kinetis Design Studio

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IDE, Kinetis software development kit, proprietary MQX™ RTOS, and the Arm support ecosystem, development is super simple.

Kinetis L Series Arm Cortex-M0+ MCUs - NXP Semiconductors

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Kinetis K Series MCUs Performance and Integration. NXP Kinetis K series MCU portfolio includes more than 600

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compatible low-power,
high-performance


32-bit microcontrollers
built on the ARM®
Cortex®-M4 core. This
series is designed for
scalable performance,
integration,
connectivity,
communications, HMI
and security and also
offers additional
features for
exceptional
integration.

Kinetis MCUs - NXP
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Kinetis EA Series MCUs.
Automotive MCUs
based on ARM®
Cortex®-M0+ Cores
Kinetis EA Series MCUs
Based on the ARM®
Cortex®-M0+ Cores.
Kinetis EA series of
32-bit ARM Cortex
MCUs are targeted for
a wide range of high
reliability industrial and
transportation
applications which
require the highest

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level of quality and
longevity support.

**Kinetis EA Series
MCUs - NXP
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The Kinetis KW2xD wireless MCU provides a low-power, compact device with integrated IEEE 802.15.4 radio, targeting control and monitoring applications for home and building automation including appliances, access

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control, climate
control, energy
management, lighting,
safety and security.

Kinetis W Series MCUs - NXP

Semiconductor 
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Within the Kinetis K
series, there are
already Cortex-
M4-based devices that
include caches and
external memory
interfaces, such as
DRAM that deliver the

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highest performance
benchmarks for Cortex-
M-based devices.
Kinetis MCU system
architects are
leveraging these
existing designs for
new Kinetis products
built with the ARM
Cortex-M7.

The new ARM® Cortex®-M7 - NXP Blog

NXP Kinetis L
Microcontroller family
contains entry-level

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32-bit MCUs built on the ARM Cortex-M0+ core, while maintaining compatibility with all other Cortex-M-class processors.

Kinetis L Series Arm Cortex-M0+ MCUs - NXP Semiconductors

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The Kinetis K02 MCU maintains all of the basic features needed for a sophisticated MCU design - including the timers, clocks,

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analog, connectivity,
and GPIO. And though
it is a pretty modest
amount, you still get
128KB Flash and 16KB
SRAM. All of these
peripherals clearly help
place this as entry-
level.

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