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Part Number: EV40E67A

EV40E67A SAM9X60 Curiosity Development Board ☆

Download Primary User Guide

- SAM9X60D1G - 600MHz ARM926EJ-S Core, 200MHz System/Memory Bus
 - 32 kB Data Cache and 32kB Instruction Cache
 - 1-Gbit Integrated DDR2
 - Dual CAN
 - Dual SD Card/eMMC
 - Thirteen FLEXCOMs (USART, SPI and I²C)
- [Two High-Speed USB Hosts & One High-Speed Host or](#)

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Package Contents

The SAM9X60-Curiosity kit includes the following:

- SAM9X60-Curiosity Development Board
- One USB-A to USB Micro-B cable

Overview

The SAM9X60 Curiosity Development Board is based on the SAM9X60D1G SiP high-performance, low-power ARM926EJ-S CPU-based embedded microprocessor (MPU) running at 600MHz. The SAM9X60D1G Curiosity Development Board small form factor PCB including the SAM9X60D1G (SAM9X60 MPU plus 1Gb integrated DDR2), 4Gbit SLC NAND Flash, a KSZ8081 10/100 Ethernet PHY, and MCP16501 Power Management IC optimized for the module. It is intended for evaluation of all variants of the SAM9X60 MPU, including the System in Package (SiP) variants and the System on Module (SOM).

The SAM9X60 Curiosity Development Board is built on a common set of proven Microchip components to reduce time to market by simplifying hardware design and software development. It also simplifies design rules of the main application board, reducing overall PCB complexity and cost. The SAM9X60 Curiosity Development Board is delivered with a free Linux distribution and bare metal C code examples.

Related Tools



LINUX4SAM (LINUX SOFTWARE AND TOOLS)

The www.linux4sam.org website provides access to Microchip's Linux software and tool developments for our MPUs.

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Documentation

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| SAM9X60-Curiosity User's Guide | Download | | ☆ |
| SAM9X60 System-On-Module (SOM) Data Sheet | Download | | ☆ |
| SAM9X60 SiP Data Sheet | Download | | ☆ |
| SAM9X60 Data Sheet | Download | | ☆ |
| Altium Schlib and PcbLib | Download | | ☆ |

Application Notes

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| AN_2772 - Linux Basics and Solutions for Microprocessors | 14 Aug 2018 | Link | Application Notes |

Software

| Title ⓘ | | Date |
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| Getting Started Graphics Application with SAM9X60 Curiosity Development Board | Download | 20 Feb 2023 |
| Snake Game Application on SAM9X60 Curiosity Development Board | Download | 22 Jun 2023 |
| MPLAB Harmony v3 Graphics Application Examples | | 22 Feb 2023 Link |
| Developer Help (Training Modules) | | 22 Feb 2023 Link |
| Other MPLAB Harmony v3 Application Examples (USB, Ethernet etc.) | | 21 Jun 2023 Link |
| Getting Started Linux OS Development | | 18 Jul 2023 Link |

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| SAM9X60D5M | SAM9X60D5M |
| SAM9X60D6K | SAM9X60D6K |
| SAM9X60D1G-I/LZB | ARM9 SAM9X60-SOM System On Module |



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