



Cyclone-FX: In-Circuit, Stand-Alone Production Programmers



Overview

The **CYCLONE FX** programmer is P&E's flagship high-speed, in-circuit, stand-alone programmer. It supports many NXP® processor families, offers vast on-board storage for programming images, provides target power, supports manual or automated programming, and has an easy-to-use touchscreen interface. Advanced features include serialization, programming count limitations, integration of dynamic data, encryption, target test, and execution of calibration code.

[Programming may be launched by a single button press without a PC or automatically from a PC via the automated control SDK. The Cyclone FX may also be used as a debug probe during development. More info is available at \[pemicro.com/cyclone\]\(http://pemicro.com/cyclone\).](#)

CYCLONE-FX Automated Programmer Test & Debug Interface



Supported Devices

Microcontrollers and Processors

[More Processors](#)

[16-bit HC12 \(Legacy\)](#)

[68HC812A4: 16-Bit Microcontroller](#)

[68HC912B32: 16-Bit Automotive Microcontroller](#)

[68HC912BC32: 16-Bit Automotive Microcontroller](#)

[68HC912D60A: 16-Bit Automotive Microcontroller](#)

[68HC912D60C: 16-Bit Automotive Microcontroller](#)

[68HC912DG128A: 16-Bit Automotive Microcontroller](#)

[68HC912DG128C: 16-Bit Automotive Microcontroller](#)

[68HC912DT128A: 16-Bit Automotive Microcontroller](#)

DSP5685x

[DSP56858: Digital Signal Controller](#)

DSP56F80x

[DSP56F801: Digital Signal Controller](#)

[DSP56F801FA60: Digital Signal Controller](#)

[DSP56F803: Digital Signal Controller](#)

[DSP56F805: Digital Signal Controller](#)

[DSP56F807: Digital Signal Controller](#)

DSP56F82x

[DSP56F826: Digital Signal Controller](#)

[DSP56F827: Digital Signal Controller](#)

8-bit HC08

[HC08AB: 8-bit Embedded EEPROM for User Data Storage AB MCUs](#)

[HC08AP: 8-bit EEPROM Emulation AP MCUs](#)

[HC08AS-AZ: 8-bit with CAN AS and AZ MCUs](#)

[HC08EY: 8-bit General Purpose EY MCUs](#)

[HC08G: 8-bit General Purpose G MCUs](#)

[HC08GZ: 8-bit General Purpose with CAN GZ MCUs](#)

[HC08JB-JG-JT-JW: 8-bit General Purpose JB, JG, JT and JW MCUs](#)

[HC08JK-JL: 8-bit General Purpose JK and JL MCUs](#)

[HC08K: 8-bit USB K MCUs](#)

[HC08LJ-LK: 8-bit EEPROM Emulation LJ and LK MCUs](#)

[HC08MR: 8-bit General Purpose MR MCUs](#)

[HC08Q: 8-bit EEPROM Emulation Q MCUs](#)

MC56F80xx

[MC56F800x: MC56F8006 and MCF56F8002 Digital Signal Controllers](#)

MC56F82xx

[MC56F827xx: MC56F823xx and MC56F827xx Digital Signal Controllers](#)

MC56F84XXX

[MC56F84xxx: Digital Signal Controllers](#)

8-bit RS08

[RS08KA: 8-bit General Purpose Ultra-Low-End Market KA MCUs](#)

[RS08KB: 8-bit RS08KB Family of Microcontrollers \(MCUs\)](#)

[RS08LA: 8-bit with LCD Driver LA MCUs](#)

[RS08LE: 8-bit with LCD Driver LE MCUs](#)

8-bit S08 3.6V MCUs

[S08GB: 8-bit General Purpose GB MCUs](#)

[S08GT: 8-bit General Purpose GT MCUs](#)

[S08GW: 8-bit LCD GW MCUs](#)

[S08JE: 8-bit Flexis® USB JE MCUs](#)

[S08LC: 8-bit LCD for Battery-Powered and Handheld LC MCUs](#)

[S08LH: 8-bit with LCD Driver LH MCUs](#)

[S08LL: 8-bit Segment LCD LL MCUs](#)

[S08MM: 8-bit Flexis® USB MM128/64/32 MCUs](#)

[S08QA: 8-bit QA MCUs](#)

[S08QB: 8-bit QB MCUs](#)

[S08QE: 8-bit Flexis® QE MCUs](#)

[S08QG: 8-bit Small Package QG MCUs](#)

[S08R: 8-bit S08RC, S08RD, S08RE and S08RG MCUs](#)

ARM Processors

Kinetis K0x Entry-level Microcontrollers (MCUs) based on ARM® Cortex®-M4 Core

[K02 100: Kinetis K02-100 MHz, Microcontrollers with Optimized Features based on ARM® Cortex®-M4](#)

Kinetis® K1x Mainstream Microcontrollers (MCUs) based on ARM® Cortex®-M4 Core

[K10 100: Kinetis K10-100 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)

[K10 120: Kinetis K10-120 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)

[K10 50: Kinetis K10-50 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)

[K10 72: Kinetis K10-72 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)

[K11 50: Kinetis® K11-50 MHz, Anti-Tamper Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[K12 50: Kinetis K12-50 MHz, Microcontrollers with Optimized Features based on ARM® Cortex®-M4](#)

[Kinetis® K2x USB Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[K20 100: Kinetis K20-100 MHz, Full-Speed USB, Mixed-Signal Integration MCUs based on ARM® Cortex®-M4](#)
[K20 120: Kinetis K20-120 MHz, Full-Speed USB, Mixed-Signal Integration MCUs based on ARM® Cortex®-M4](#)
[K20 50: Kinetis K20-50 MHz, Full-Speed USB, Mixed-Signal Integration MCUs based on ARM® Cortex®-M4](#)
[K20 72: Kinetis K20-72 MHz, Full-Speed USB, Mixed-Signal Integration MCUs based on ARM® Cortex®-M4](#)
[K21 120: Kinetis K21-120 MHz, Full-Speed USB, Anti-Tamper Microcontrollers based on ARM® Cortex®-M4](#)
[K21 50: Kinetis K21-50 MHz, Full-Speed USB, Anti-Tamper Microcontrollers based on ARM® Cortex®-M4](#)
[K22 100: Kinetis K22-100 MHz, Cost Effective, Full-Speed USB Microcontrollers based on ARM® Cortex®-M4](#)
[K22 120: Kinetis K22-120 MHz, Cost Effective, Full-Speed USB Microcontrollers based on ARM® Cortex®-M4](#)
[K22 50: Kinetis K22-50 MHz, Cost Effective, Full-Speed USB Microcontrollers based on ARM® Cortex®-M4](#)
[K24 120: Kinetis K24-120 MHz, Full-Speed USB, 256KB SRAM Microcontrollers based on ARM® Cortex®-M4](#)
[K26 180: Kinetis K26-180 MHz, Dual High-Speed & Full-speed USBs, 2MB Flash MCUs based on ARM® Cortex®-M4](#)

[Kinetis® K3x Segment LCD Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[K30 100: Kinetis K30-100 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)
[K30 72: Kinetis K30-72 MHz, Mixed-Signal Integration Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[Kinetis® K4x USB & Segment LCD Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[K40 100: Kinetis K40-100 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)
[K40 72: Kinetis K40-72 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)

[Kinetis® K5x Measurement Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[K50 100: Kinetis® K50-100 MHz, USB Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)
[K50 72: Kinetis® K50-72 MHz, USB Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)
[K51 100: Kinetis® K51-100 MHz, Segment LCD, USB Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)
[K51 72: Kinetis® K51-72 MHz, Segment LCD, USB Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)
[K53 100: Kinetis K53-100 MHz, USB, Segment LCD, Ethernet Microcontrollers based on ARM® Cortex®-M4](#)

[Kinetis® K6x Ethernet Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[K60 100: Kinetis K60-100 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)
[K60 120: Kinetis K60-120–150 MHz, Mixed-Signal Integration Microcontrollers based on ARM® Cortex®-M4](#)
[K63 120: Kinetis K63-120 MHz, 256KB SRAM, Anti-Tamper Microcontrollers based on ARM® Cortex®-M4](#)
[K64 120: Kinetis® K64-120 MHz, 256KB SRAM Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)
[K65 180: Kinetis K65-180 MHz, Dual High- & Full-Speed USB, 2MB Flash, Anti-Tamper MCU based on ARM® Cortex®-M4](#)
[K66 180: Kinetis K66-180 MHz, Dual High-Speed & Full-speed USBs, 2MB Flash MCUs based on ARM® Cortex®-M4](#)

[Kinetis® K7x Graphic LCD Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[K70 120: Kinetis K70-120–150 MHz, High-Speed USB, Ethernet, DDR and Anti-Tamper MCUs based on ARM® Cortex®-M4](#)

[Kinetis K8x Secure Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[K80 150: Kinetis K80-150 MHz Advanced security & QuadSPI Microcontrollers based on ARM® Cortex®-M4](#)
[K81 150: Kinetis K81-150 MHz HW Cryptographic Co-Processor, Anti-Tamper, QuadSPI MCU based on ARM® Cortex®-M4](#)
[K82 150: Kinetis K82-150 MHz HW Cryptographic Co-Processor & QuadSPI Microcontrollers based on ARM® Cortex®-M4](#)

[Kinetis® E Series: 5V, Robust Microcontrollers \(MCUs\) based on ARM® Cortex®-M0+/M4 Core](#)

[KE02: Kinetis KE02-20 MHz, Entry-Level Microcontrollers \(MCUs\) based on ARM® Cortex®-M0+ Core](#)
[KE02 40: Kinetis® KE02-40 MHz, Entry-Level Microcontrollers \(MCUs\) based on ARM® Cortex®-M0+ Core](#)
[KE04: Kinetis® KE04-48 MHz, Mainstream Microcontrollers \(MCUs\) based on ARM® Cortex®-M0+ Core](#)
[KE06: Kinetis KE06-48 MHz, Mainstream with CAN 5V Microcontrollers based on ARM® Cortex®-M0+](#)

[Kinetis® L Series: Ultra-Low Power Microcontrollers \(MCUs\) based on ARM® Cortex®-M0+ Core](#)

[KL02: Kinetis KL02-48MHz, 2x I2C, Small package, Entry-Level Ultra-Low Power MCU based on ARM® Cortex®-M0+](#)
[KL03: Kinetis KL03-48MHz, 1x I2C, Small package, Entry-Level Ultra-Low Power MCU based on ARM® Cortex®-M0+](#)
[KL1x: Kinetis KL1x-48 MHz, Mainstream Small Ultra-Low Power Microcontrollers based on ARM® Cortex®-M0+](#)
[KL2x: Kinetis KL2x-48 MHz, USB Ultra-Low-Power Microcontrollers based on ARM® Cortex®-M0+](#)
[KL3x: Kinetis KL3x-48 MHz, Segment LCD Ultra-Low-Power Microcontrollers based on ARM® Cortex®-M0+](#)
[KL4x: Kinetis KL4x-48 MHz, USB, Segment LCD, Ultra-Low-Power Microcontrollers based on ARM® Cortex®-M0+](#)
[KL8x: Kinetis KL8x-72/96 MHz Secure Ultra-Low Power Microcontrollers based on ARM® Cortex®-M0+](#)

[Kinetis® M Series: Metrology Microcontrollers \(MCUs\) based on ARM® Cortex®-M0+ Core](#)

[KM1x: Kinetis KM1x-50 MHz, Mainstream Precision Metrology Microcontrollers based on ARM® Cortex®-M0+](#)
[KM3x: Kinetis KM3x-50–75 MHz Precision Metrology with Segment LCD MCUs based on ARM® Cortex®-M0+](#)

[KS22 Microcontrollers \(MCUs\)](#)

[KS22: KS22-120MHz Microcontrollers \(MCUs\) based on ARM® Cortex®-M4 Core](#)

[Kinetis V Series: Real-time Motor Control & Power Conversion MCUs based on ARM® Cortex®-M0+/M4/M7](#)

[KV1x: Kinetis KV1x-75 MHz, Entry-level 3ph FOC / Sensorless Motor Control MCUs based on ARM® Cortex®-M0+](#)
[KV3x: Kinetis KV3x-100–120 MHz, Advanced 3ph FOC / Sensorless Motor Control MCUs based on ARM® Cortex®-M4](#)
[KV4x: Kinetis KV4x-168 MHz, High Performance Motor / Power Conversion MCUs based on ARM® Cortex®-M4](#)
[KV5x: Kinetis KV5x-240 MHz, Motor Control and Power Conversion, Ethernet, MCUs based on ARM® Cortex®-M7](#)

[Kinetis® W Series: Wireless Connectivity Microcontrollers \(MCUs\) based on ARM® Cortex®-M0+/M4 Core](#)

[KW0x: Kinetis KW0x-48 MHz, Sub-1 GHz Wireless Radio Microcontrollers based on ARM® Cortex®-M0+](#)

[KW20Z: Kinetis KW20Z-2.4 GHz 802.15.4 Wireless Radio Microcontroller based on ARM® Cortex®-M0+](#)
[KW30Z: Kinetis KW30Z-2.4 GHz Bluetooth Low Energy \(BLE 4.1\) Microcontroller based on ARM® Cortex®-M0+](#)
[KW40Z: Kinetis® KW40Z-2.4 GHz Dual Mode: BLE and 802.15.4 Wireless Radio Microcontroller \(MCU\) based on ARM® Cortex®-M0+ Core](#)
[Kinetis® Low Power 32-bit Microcontrollers \(MCUs\) based on ARM® Cortex®-M Cores](#)
[KW21Z: Kinetis KW21Z-2.4 GHz 802.15.4 Wireless Radio Microcontroller based on ARM® Cortex®-M0+](#)
[KW31Z: Kinetis KW31Z-2.4 GHz Bluetooth Low Energy \(BLE 4.2\) Microcontroller based on ARM® Cortex®-M0+](#)
[KW41Z: Kinetis® KW41Z-2.4 GHz Dual Mode: BLE and 802.15.4 Wireless Radio Microcontroller \(MCU\) based on ARM® Cortex®-M0+ Core](#)

LPC1100 Series: Scalable Entry-level Microcontrollers (MCUs) based on ARM Cortex-M0+/M0 Cores

[LPC1110FD20: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1111FDH20: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1111FHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1111JHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1112FD20: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1112FDH20: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1112FHI33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1112FHN24: 16kB flash, 4kB SRAM, HVQFN24 package](#)
[LPC1112FHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1112JHI33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1112JHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1112LVFHI33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1112LVFHN24: 16kB flash, 2kB SRAM, ADC, HVQFN24 package](#)
[LPC1113FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1113FHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1113JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1113JHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114FDH28: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114FHI33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114FHN33: 32kB flash, 8kB SRAM, HVQFN32 package](#)
[LPC1114FN28: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114JHI33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114JHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114LVFHI33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1114LVFHN24: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1115FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1115FET48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1115JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1115JET48: 64kB flash, 8kB SRAM, TFBGA48 package](#)
[LPC1124JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1125JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11A02UK: 16kB flash, 4kB SRAM, WLCSP package](#)
[LPC11A04UK: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11A11FHN33: 8kB flash, 2kB SRAM, HVQFN32 package](#)
[LPC11A12FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11A12FHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11A13FHI33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11A13JHI33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11A14FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11A14FHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11A14JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11C12FBD48: 32kB flash, 8kB SRAM, ADC, LQFP48 package](#)
[LPC11C14FBD48: 32kB flash, 8kB SRAM, LQFP48 package](#)
[LPC11C22FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11C24FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11D14FBD100: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E11FHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E12FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E13FBD48: 24kB flash, 8kB SRAM, LQFP48 package](#)
[LPC11E14FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E14FBD64: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)

[LPC11E14FHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E35FHI33: delete](#)
[LPC11E36FBD64: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E36FHN33: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E37FBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E37FBD64: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E37HFBD64: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E66JBD48: 32-bit ARM Cortex-M0+ microcontroller; up to 64 kB flash and 12 kB SRAM; 4 kB EEPROM; 12-bit ADC](#)
[LPC11E67JBD100: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E67JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E67JBD64: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E68JBD100: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E68JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11E68JBD64: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11U12FHN33: 16kB flash, 6kB SRAM, HVQFN32 package](#)
[LPC11U14FBD48: 32kB flash, 6kB SRAM, LQFP48 package](#)
[LPC11U24FHN33: 32kB flash, 8kB SRAM, HVQFN32 package](#)
[LPC11U34FBD48: 40kB flash, 8kB SRAM, LQFP48 package](#)
[LPC11U35FHI33: 64kB flash, 12kB SRAM, HVQFN32 package](#)
[LPC11U37FBD48: 128kB flash, 10kB SRAM, LQFP48 package](#)
[LPC11U67JBD64: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC11U68JBD48: Scalable Entry Level 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+/M0 Cores](#)
[LPC1200 Series: Robust and Reliable Microcontrollers \(MCUs\) based on ARM Cortex-M0 Cores](#)
[LPC1224FBD48: 32kB flash, 4kB SRAM, LQFP48 package](#)
[LPC1224FBD64: 32kB flash, 4kB SRAM, LQFP64 package](#)
[LPC1225FBD48: 64kB flash, 8kB SRAM, LQFP48 package](#)
[LPC1225FBD64: 80kB flash, 8kB SRAM, LQFP64 package](#)
[LPC1226FBD48: 96kB flash, 8kB SRAM, LQFP48 package](#)
[LPC1226FBD64: 96kB flash, 8kB SRAM, LQFP48 package](#)
[LPC1227FBD48: 128kB flash, 8kB SRAM, LQFP48 package](#)
[LPC1227FBD64: 128kB flash, 8kB SRAM, LQFP64 package](#)
[LPC12D27FBD100: Robust and Reliable 32-bit Microcontroller \(MCU\) based on ARM Cortex-M0 Core](#)
[LPC1300 Series: Entry-level Microcontrollers \(MCUs\) based on ARM® Cortex®-M3 Cores](#)
[LPC1311FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1313FBD48: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1313FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1315FBD48: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1315FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1316FBD48: 48kB Flash, 8kB SRAM](#)
[LPC1316FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1317FBD48: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1317FBD64: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1317FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1342FBD48: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1342FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1343FBD48: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1343FHN33: 32kB Flash, 8kB SRAM, USB Device](#)
[LPC1345FBD48: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1345FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1346FBD48: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1346FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1347FBD48: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1347FBD64: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1347FHN33: Entry-level 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1500 Series: Motion Control Microcontrollers \(MCUs\) based on ARM® Cortex®-M3 Cores](#)
[LPC1517JBD48: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1517JBD64: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1518JBD100: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1518JBD64: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1519JBD100: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1519JBD64: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)

[LPC1547JBD48: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1547JBD64: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1548JBD100: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1548JBD64: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1549JBD100: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1549JBD48: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1549JBD64: Motion Control 32-bit Microcontroller based on ARM Cortex-M3](#)
LPC1700 Series: Scalable Mainstream Microcontrollers (MCUs) based on ARM® Cortex®-M3 Cores
[LPC1751FBD80: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1752FBD80: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1754FBD80: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1756FBD80: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1758FBD80: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1759FBD80: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1763FBD100: 256kB flash, 64kB SRAM, no CAN, LQFP100 package](#)
[LPC1764FBD100: 128kB flash, 32kB SRAM, Ethernet, USB, LQFP100 package](#)
[LPC1765FBD100: 256kB flash, 64kB SRAM, USB, LQFP100 package](#)
[LPC1765FET100: 256kB flash, 64kB SRAM, USB, TFBGA100 package](#)
[LPC1766FBD100: 256kB flash, 64kB SRAM, Ethernet, USB, LQFP100 package](#)
[LPC1767FBD100: 512kB flash, 64kB SRAM, Ethernet, no CAN, LQFP100 package](#)
[LPC1768FBD100: 512kB flash, 64kB SRAM, Ethernet, USB, LQFP100 package](#)
[LPC1768FET100: 512kB flash, 64kB SRAM, Ethernet, USB, TFBGA100 package](#)
[LPC1768UK: Scalable Mainstream 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1769FBD100: 512kB flash, 64kB SRAM, Ethernet, USB, LQFP100 package](#)
[LPC1774FBD144: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1774FBD208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1776FBD208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1776FET180: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1777FBD208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1778FBD144: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1778FBD208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1778FET180: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1778FET208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1785FBD208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1786FBD208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1787FBD208: 512kB flash, 96kB SRAM, USB, LCD, LQFP208 package](#)
[LPC1788FBD144: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1788FBD208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1788FET180: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1788FET208: Scalable Mainstream 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)

LPC1800 Series: High Performance Microcontrollers (MCUs) based on ARM® Cortex®-M3 Cores

[LPC1810FBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1810FET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1812JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1812JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1813JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1813JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1815JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1815JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1817JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1817JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1820FBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1820FET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1822JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1822JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1823JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1823JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1825JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1825JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1827JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1827JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)

[LPC1830FBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1830FET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1830FET180: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1830FET256: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1833FET256: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1833JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1833JET100: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1833JET256: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1837FET256: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1837JBD144: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1837JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1837JET256: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1850FET180: Quad SPI Flash Interface \(SPIFI\), 200 kB SRAM, two High-speed USB, Ethernet, LCD, TFBGA180 package](#)
[LPC1850FET256: Quad SPI Flash Interface \(SPIFI\), 200 kB SRAM, two High-speed USB, Ethernet, LCD, LBG256 package](#)
[LPC1853FET256: High Performance 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1853JBD208: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1853JET256: High Performance 32-bit Microcontroller based on ARM Cortex-M3](#)
[LPC1857FET256: 1 MB flash, 136 kB SRAM, two High-speed USB, Ethernet, LCD, LBG256 package](#)
[LPC1857JBD208: High Performance 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC1857JET256: High Performance 32-bit Microcontroller \(MCU\) based on ARM Cortex-M3 Core](#)
[LPC18S10FBD144: 32-bit ARM Cortex-M3 flashless MCU with security features; 136 kB SRAM; EMC](#)
[LPC18S10FET100: 32-bit ARM Cortex-M3 flashless MCU with security features; 136 kB SRAM; EMC](#)
[LPC18S30FBD144: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, EMC](#)
[LPC18S30FET100: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, EMC](#)
[LPC18S30FET256: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, EMC](#)
[LPC18S37JBD144: 32-bit ARM Cortex-M3 MCU; 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, EMC, AES engine](#)
[LPC18S37JET100: 32-bit ARM Cortex-M3 MCU; 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, EMC, AES engine](#)
[LPC18S50FET180: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, LCD, EMC](#)
[LPC18S50FET256: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, LCD, EMC](#)
[LPC18S57JBD208: 32-bit ARM Cortex-M3 MCU; 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC, AES engine](#)
[LPC18S57JET256: 32-bit ARM Cortex-M3 MCU; 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC, AES engine](#)
LPC4000 Series: Mid-range Microcontrollers (MCUs) based on ARM® Cortex®-M4 Cores
[LPC4072FBD80: 32-bit ARM Cortex-M4 MCU; up to 512 kB flash, 96 kB SRAM; USB Device/Host/OTG; Ethernet; EMC; SPIFI](#)
[LPC4072FET80: Mid-range 32-bit Microcontroller \(MCU\) based on ARM Cortex-M4 Core](#)
[LPC4074FBD144: Mid-range 32-bit Microcontroller \(MCU\) based on ARM Cortex-M4 Core](#)
[LPC4074FBD80: 32-bit ARM Cortex-M4 MCU; up to 512 kB flash, 96 kB SRAM; USB Device/Host/OTG; Ethernet; EMC; SPIFI](#)
[LPC4076FBD144: Mid-range 32-bit Microcontroller \(MCU\) based on ARM Cortex-M4 Core](#)
[LPC4076FET180: Mid-range 32-bit Microcontroller \(MCU\) based on ARM Cortex-M4 Core](#)
[LPC4078FBD100: 32-bit ARM Cortex-M4 MCU; up to 512 kB flash, 96 kB SRAM; USB Device/Host/OTG; Ethernet; EMC; SPIFI](#)
[LPC4078FBD144: 32-bit ARM Cortex-M4 MCU; up to 512 kB flash, 96 kB SRAM; USB Device/Host/OTG; Ethernet; EMC; SPIFI](#)
[LPC4078FBD208: 32-bit ARM Cortex-M4 MCU; up to 512 kB flash, 96 kB SRAM; USB Device/Host/OTG; Ethernet; EMC; SPIFI](#)
[LPC4078FBD80: 32-bit ARM Cortex-M4 MCU; up to 512 kB flash, 96 kB SRAM; USB Device/Host/OTG; Ethernet; EMC; SPIFI](#)
[LPC4078FET180: 32-bit ARM Cortex-M4 MCU; up to 512 kB flash, 96 kB SRAM; USB Device/Host/OTG; Ethernet; EMC; SPIFI](#)
[LPC4078FET208: 32-bit ARM Cortex-M4 MCU; up to 512 kB flash, 96 kB SRAM; USB Device/Host/OTG; Ethernet; EMC; SPIFI](#)
[LPC4088FBD144: Mid-range 32-bit Microcontroller \(MCU\) based on ARM Cortex-M4 Core](#)
[LPC4088FBD208: Mid-range 32-bit Microcontroller \(MCU\) based on ARM Cortex-M4 Core](#)
[LPC4088FET180: Mid-range 32-bit Microcontroller \(MCU\) based on ARM Cortex-M4 Core](#)
[LPC4088FET208: Mid-range 32-bit Microcontroller \(MCU\) based on ARM Cortex-M4 Core](#)
LPC4300 Series: High Performance Microcontrollers (MCUs) based on ARM® Cortex®-M4/M0 Cores
[LPC4310FBD144: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4310FET100: Dual-core Cortex-M4/M0, 168 kB SRAM, CAN, AES, SPIFI, SGPIO, SCT](#)
[LPC4312JBD144: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4312JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4313JBD144: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4313JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4315JBD144: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4315JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4317JBD144: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4317JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4320FBD144: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4320FET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)

[LPC4322JBD144: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC](#)
[LPC4322JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4323JBD144: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4323JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4325JBD144: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC](#)
[LPC4325JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4327JBD144: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC](#)
[LPC4327JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4330FBD144: Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT](#)
[LPC4330FET100: Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT](#)
[LPC4330FET180: Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT](#)
[LPC4330FET256: Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT](#)
[LPC4333FET256: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4333JBD144: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4333JET100: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4333JET256: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4337FBD144: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4337FET180: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4337FET256: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4337JBD144: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4337JET100: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4337JET256: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4350FBD208: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4350FET180: Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SGPIO, SCT](#)
[LPC4350FET256: Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SGPIO, SCT](#)
[LPC4353FET180: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4353JBD208: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4353JET256: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4357FBD208: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4357FET256: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4357JBD208: 32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC](#)
[LPC4357JET256: High Performance 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4/M0 Cores](#)
[LPC4367JBD208: High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0](#)
[LPC4367JET100: High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0](#)
[LPC4367JET256: High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0](#)
[LPC4370FET100: 32-bit ARM Cortex-M4 + 2 x M0 MCU; 282 kB SRAM; Ethernet; two HS USBs; 80 Msps 12-bit ADC; configurable peripherals](#)
[LPC4370FET256: 32-bit ARM Cortex-M4 + 2 x M0 MCU; 282 kB SRAM; Ethernet; two HS USBs; 80 Msps 12-bit ADC; configurable peripherals](#)
[LPC43S20FBD144: 32-bit ARM Cortex-M4/M0 flashless MCU with security features; 200 kB SRAM; USB](#)
[LPC43S20FET180: 32-bit ARM Cortex-M4/M0 flashless MCU with security features; 200 kB SRAM; USB](#)
[LPC43S30FBD144: 32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs](#)
[LPC43S30FET100: 32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs](#)
[LPC43S30FET256: 32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs](#)
[LPC43S37JBD144: 32-bit ARM Cortex-M4/M0 MCU; 1 MB flash and 136 kB SRAM; Ethernet, 2 x USB, EMC, AES engine](#)
[LPC43S37JET100: 32-bit ARM Cortex-M4/M0 MCU; 1 MB flash and 136 kB SRAM; Ethernet, 2 x USB, EMC, AES engine](#)
[LPC43S50FET180: 32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs; LCD](#)
[LPC43S50FET256: 32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs; LCD](#)
[LPC43S57JBD208: 32-bit ARM Cortex-M4/M0 MCU; 1 MB flash and 136 kB SRAM; Ethernet, 2 x USB, LCD, EMC, AES engine](#)
[LPC43S57JET256: 32-bit ARM Cortex-M4/M0 MCU; 1 MB flash and 136 kB SRAM; Ethernet, 2 x USB, LCD, EMC, AES engine](#)
[LPC43S67JBD208: High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0](#)
[LPC43S67JET100: High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0](#)
[LPC43S67JET256: High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0](#)
[LPC43S70FET100: 32-bit ARM Cortex-M4 + 2 x M0 MCU; 282 kB SRAM; Ethernet; two HS USBs; 80 Msps 12-bit ADC; configurable peripherals, AES engine](#)
[LPC43S70FET256: 32-bit ARM Cortex-M4 + 2 x M0 MCU; 282 kB SRAM; Ethernet; two HS USBs; 80 Msps 12-bit ADC; configurable peripherals, AES engine](#)
LPC54000 Series: Low Power Microcontrollers (MCUs) based on ARM® Cortex®-M4 Cores with optional Cortex®-M0+ co-processor
[LPC54101J256BD64: Low Power 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4 Core](#)
[LPC54101J256UK49: Low Power 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4 Core](#)
[LPC54101J512BD64: Low Power 32-bit Microcontroller based on ARM® Cortex®-M4](#)
[LPC54101J512UK49: Low Power 32-bit Microcontroller based on ARM® Cortex®-M4](#)
[LPC54102J256BD64: Low Power 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4 Core](#)
[LPC54102J256UK49: Low Power 32-bit Microcontroller based on ARM® Cortex®-M4](#)
[LPC54102J512BD64: Low Power 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4 Core](#)

[LPC54102J512UK49: Low Power 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M4 Core](#)

LPC800 Series: Low-Cost Microcontrollers (MCUs) based on ARM® Cortex®-M0+ Cores

[LPC810M021FN8: Low Cost 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+ Core](#)

[LPC811M001FDH16: Low Cost 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+ Core](#)

[LPC811M001JDH16: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+](#)

[LPC812M101FD20: Low Cost 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+ Core](#)

[LPC812M101FDH16: Low Cost 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+ Core](#)

[LPC812M101FDH20: Low Cost 32-bit Microcontroller \(MCU\) based on ARM® Cortex®-M0+ Core](#)

[LPC812M101JD20: 32-bit ARM Cortex-M0+ microcontroller; 16 kB flash and 4 kB SRAM](#)

[LPC812M101JDH16: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+](#)

[LPC812M101JDH20: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+](#)

[LPC812M101JTB16: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+](#)

[LPC822M101JDH20: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+](#)

[LPC822M101JHI33: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+](#)

[LPC824M201JDH20: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+](#)

[LPC824M201JHI33: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+](#)

MAC7xxx Automotive Controllers

[MAC7111: 32-bit Automotive Microcontrollers](#)

[MAC7112: 32-bit Automotive Microcontrollers](#)

[MAC7116: 32-bit Automotive Microcontrollers](#)

[MAC7121: 32-bit Automotive Microcontrollers](#)

[MAC7131: 32-bit Automotive Microcontrollers](#)

[MAC7136: 32-bit Automotive Microcontrollers](#)

[MAC7200: 32-bit Automotive Microcontrollers](#)

S32 ARM Processors & Microcontrollers

[S32K: 32-bit Automotive General Purpose Microcontrollers](#)

[S32V230: S32V230 Family of Processors for Advanced Driver Assistance Systems](#)

Power Architecture

5xx Controllers

[MPC533: 32-bit Microcontrollers](#)

[MPC535: 32-bit Microcontrollers](#)

[MPC555: 32-bit Microcontrollers](#)

[MPC561: 32-bit Microcontrollers](#)

[MPC562: 32-bit Microcontrollers](#)

[MPC563: 32-bit Microcontrollers](#)

[MPC564: 32-bit Microcontrollers](#)

[MPC565: 32 Bit Microcontroller](#)

[MPC566: 32 Bit Microcontroller](#)

PowerQUICC® II (82xx)

[MPC8247: PowerQUICC® II Processor with PCI, USB, Communications Processor Module](#)

[MPC8248: PowerQUICC® II Processor with PCI, USB, Security, Communications Processor Module](#)

[MPC8250: PowerQUICC® II Processor with PCI, 128-ch. HDLC, 10/100 Ethernet](#)

[MPC8255: PowerQUICC® II Processor with 128-ch. HDLC, UTOPIA II, 10/100 Ethernet](#)

[MPC8265: PowerQUICC® II Processor with PCI, 256-ch. HDLC, UTOPIA II, 10/100 Ethernet](#)

[MPC8270: PowerQUICC® II Processor with PCI, USB, 128-ch. HDLC, 10/100 Ethernet](#)

[MPC8272: PowerQUICC® II Processor with PCI, USB, Security, Communications Processor Module with UTOPIA](#)

[MPC8275: PowerQUICC® II Processor with PCI, USB, 128-ch. HDLC, UTOPIA II Ports, 10/100 Ethernet](#)

PowerQUICC® II Pro (83xx)

[MPC8343E: PowerQUICC® II Pro Processor with DDR2, Dual PCI, 1 GB Ethernet, Dual USB, Security](#)

PowerQUICC® I (8xx)

[MPC850: PowerQUICC® Processor with CPM \(2 SCC, 2 SMC\), 10T Ethernet](#)

PowerQUICC® III (85xx)

[MPC8541E: PowerQUICC® III Processor with TDM, DDR, PCI, 1 GB Ethernet, Security, CPM with UTOPIA](#)

[MPC8543E: PowerQUICC® III Processor with DDR2, PCI, PCI Express®, Serial RapidIO, SerDes, 1 GB Ethernet, Security](#)

[MPC8545E: PowerQUICC® III Processor with DDR2, PCI, PCI Express®, SerDes, 1 GB Ethernet, Security](#)

[MPC8547E: PowerQUICC® III Processor with DDR2, PCI, PCI Express®, SerDes, 1 GB Ethernet, Security](#)

[MPC8548E: PowerQUICC® III Processor with DDR2, PCI, PCI Express®, Serial RapidIO, SerDes, 1 GB Ethernet, Security](#)

[MPC8555E: PowerQUICC® III Processor with TDM, DDR, PCI, 1 GB Ethernet, Security, CPM with UTOPIA](#)

[MPC8569E: PowerQUICC® III Processor with DDR2/3](#)

Automotive Products

[Microcontrollers and Processors](#)

16-bit S12 & S12X MCUs

[MC9S12H: S12H Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12A: S12A Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12B: S12B Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12C: S12C Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12D: S12D Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12E: S12E Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12G: Ultra-Reliable S12G General Purpose Automotive and Industrial Microcontrollers](#)
[S12GC: S12GC Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12HY: S12HY Scalable Value Line Cluster Solutions Microcontrollers \(MCUs\) with CAN](#)
[S12HZ: S12HZ Scalable Instrument Cluster Solutions Microcontrollers \(MCUs\) with CAN](#)
[S12K: S12K Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12NE: Microcontroller](#)
[S12P: S12P Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12Q: S12Q Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12XA: S12XA Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12XB: S12XB Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12XD: S12XD Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12XE: Ultra-Reliable S12XE High-Performance Automotive and Industrial Microcontrollers](#)
[S12XF: S12XF Automotive and Industrial Microcontrollers \(MCUs\)](#)
[S12XHY: S12XHY Scalable Cluster Microcontrollers \(MCUs\) with CAN](#)
[S12XHZ: S12XHZ Scalable Instrument Clusters Microcontrollers \(MCUs\) with CAN](#)
[S12XS: S12XS Automotive and Industrial Microcontrollers \(MCUs\)](#)

mobileGT® (51xx/52xx)

[MPC5121e: 32-bit Power Architecture® Microcontrollers](#)
[MPC5125: 32-bit microprocessor](#)
[MPC5200: 32-bit Microcontrollers](#)
[MPC5200B: 32-bit MCU for Automotive, Consumer & Industrial Applications](#)

MPC55xx MCUs

[MPC5510: NXP® 32-bit MCU for Body Electronics Applications](#)
[MPC5534: 32-bit MCU for Low-End Automotive Powertrain Applications](#)
[MPC5553: 32-bit MCU for Automotive Powertrain Applications](#)
[MPC5554: 32-bit MCU for Powertrain Applications](#)
[MPC5561: 32-bit MCU for Automotive ADAS Applications](#)
[MPC5565: 32-bit MCU for Automotive Powertrain and Industrial Applications](#)
[MPC5566: 32-bit MCU for Automotive Powertrain Applications](#)
[MPC5567: 32-bit MCU for Auto Powertrain Applications](#)

Ultra-Reliable MPC56xx 32-bit Automotive & Industrial Microcontrollers (MCUs)

[MPC560xB: Ultra-Reliable MPC56xB MCU for Automotive & Industrial General Purpose](#)
[MPC560xE: Ultra-Reliable 32-bit MCU for Automotive ADAS and Industrial Ethernet Applications](#)
[MPC560xP: Ultra-Reliable MPC560xP MCU for Automotive & Industrial Safety Applications](#)
[MPC560xS: Ultra-Reliable MPC560xS MCU for Automotive & Industrial Instrument Clusters](#)
[MPC563xM: Ultra-Reliable MPC563xM for Automotive & Industrial Engine Management](#)
[MPC564xA: Ultra-Reliable MPC564xA MCU for Automotive & Industrial Engine Management](#)
[MPC564xB-C: Ultra-Reliable MPC564xB-C MCU for Automotive & Industrial Control Applications](#)
[MPC564xL: Ultra-Reliable Dual-Core 32-bit MCU for Automotive and Industrial Applications](#)
[MPC564xS: Ultra-Reliable MPC56xS MCU for Automotive & Industrial Instrument Clusters](#)
[MPC5668G: Ultra-Reliable MPC5668G MCU for Automotive & Industrial Gateway Applications](#)
[MPC5674F: Ultra-Reliable MPC5674F MCU for Automotive & Industrial Engine Management](#)
[MPC5676R: Ultra-Reliable MPC5676R MCU for Automotive & Industrial Engine Management](#)
[MPC567xK: Ultra-Reliable MPC567xK MCU for Automotive & Industrial Radar Applications](#)

Ultra-Reliable MPC57xx 32-bit Automotive & Industrial Microcontrollers (MCUs)

[MPC5746R: Automotive & Industrial Engine Management MCU](#)
[MPC574xB-C-D-G: Ultra-Reliable MCUs for Automotive & Industrial Control and Gateway](#)
[MPC574xP: Ultra-Reliable MPC574xP MCU for Automotive & Industrial Safety Applications](#)
[MPC5777C: Ultra-Reliable MPC5777C MCU for Automotive & Industrial Engine Management](#)
[MPC5777M: Ultra-Reliable MPC5777M MCU for Automotive & Industrial Engine Management](#)
[MPC577xK: Ultra-Reliable MPC577xK MCU for Automotive ADAS & Industrial Radar Applications](#)

8-bit S08 5.5V MCUs

[S08AC: 8-bit Flexis® AC128/96/60/48/32 MCUs](#)
[S08AW: 8-bit General Purpose AW60/48/32/16 MCUs](#)

[S08D: 8-bit Cost-Effective with CAN D MCUs](#)
[S08EL-SL: 8-bit EEPROM with LIN S08EL and S08SL MCUs](#)
[S08FL: 8-bit Cost-Effective FL16/8 MCUs](#)
[S08JM: 8-bit USB Cost-Effective JM MCUs](#)
[S08LG: 8-bit Segment LCD S08LG32 and S08LG16 MCUs](#)
[S08MP: 8-bit General Purpose MP MCUs](#)
[S08QD: 8-bit Small Package QD MCUs](#)
[S08RN: 8-bit EEPROM with TSI for Body Electronics MCUs](#)
[S08SC4: 8-bit C4 Small Package SC4 MCUs](#)
[S08SE: 8-bit General Purpose SE MCUs](#)
[S08SF: 8-bit Motor Control SF MCUs](#)
[S08SG: 8-bit Small Package SG MCUs](#)
[S08SH: 8-bit General Purpose SH MCUs](#)
[S08SL: 8-bit EEPROM with LIN S08EL and S08SL MCUs](#)
[S08SV: 8-bit General Purpose Best-in-Class performance SV MCUs](#)

S12 MagniV[®] Mixed-Signal Microcontrollers (MCUs) for Automotive & Industrial

[S12VR: S12VR Mixed-Signal MCU for Automotive & Industrial Relay Based Motor Control](#)
[S12ZVC: S12ZVC Mixed-Signal MCU for Automotive & Industrial CAN Applications](#)
[S12ZVH: S12ZVH Mixed-Signal MCU for Entry-Level Automotive & Industrial Clusters](#)
[S12ZVHY: S12 MagniV[®] Mixed-Signal MCU for Automotive Instrument Cluster Applications](#)
[S12ZVL: S12ZVL Mixed-Signal MCU for Automotive & Industrial LIN Applications](#)
[S12ZVM: S12ZVM Mixed-Signal MCU for Automotive & Industrial Motor Control Applications](#)

Features

Ethernet, USB, and Serial communications interfaces
Very fast communications speeds
4.3" LCD Touch Screen
Power-switching relays to control target power
Production environment ready with voltage protection technology

Target Architectures

Cyclone FX for ARM devices (ACP-CYCLONE-FX)

[Kinetis[®]](#)
[S32](#)
[LPC](#)

Cyclone Universal FX (U-CYCLONE-FX)

[Kinetis[®]](#)
[S32](#)
[LPC](#)
[Qorivva[®] \(MPC5xxx\)](#)
[S12Z](#)
[ColdFire V2/V3/V4](#)
[ColdFire+/V1](#)
[HC\(S\)12\(X\)](#)
[HCS08](#)
[HC08](#)
[RS08](#)
[Power MPC5xx/8xx](#)
[DSC](#)
[ARM[®] Nexus \(MAC7xxx\)](#)

Applications

Production Programming
Development/Prototyping
Testing
Field Maintenance

Cyclone FX Special Features

Extremely high speed (up to 25 Mb/s), intuitive, in-circuit flash programming
On-board storage: 1GB, no practical limit to # of programming images
Programming images support count and date restrictions
Can run test and calibration code on the target device as part of the programming process
Secure Digital High Capacity (SDHC) port for expanded memory
USB & Control expansion ports

Flash Programming Highlights

Huge library of programming algorithms for thousands of MCUs
Serialization and dynamic data
Capable of programming external flash
Multiple image support for programming of different images during production runs
PC-controlled and Stand-Alone programming for production lines