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 onboard 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.

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
68HC912DG128A: 16-Bit Automotive Microcontroller
68HC912DG128C: 16-Bit Automotive Microcontroller
ARM
Kinetis®

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
- HC08LI-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

MC6F82xx
- 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 SO8 3.6V MCUs
- SO8GB: 8-bit General Purpose GB MCUs
- SO8GT: 8-bit General Purpose GT MCUs
- SO8GW: 8-bit LCD GW MCUs
- SO8JE: 8-bit Flexis® USB JE MCUs
- SO8LC: 8-bit LCD for Battery-Powered and Handheld LC MCUs
- SO8LH: 8-bit with LCD Driver LH MCUs
- SO8LL: 8-bit Segment LCD LL MCUs
- SO8MM: 8-bit Flexis® USB MM128/64/32 MCUs
- SO8QA: 8-bit QA MCUs
- SO8QB: 8-bit QB MCUs
- SO8QE: 8-bit Flexis® QE MCUs
- SO8QG: 8-bit Small Package QG MCUs
- SO8R: 8-bit SO8RC, SO8RD, SO8RE and SO8RG 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
Kinetis® K70: 120 MHz, High-Speed USB, Ethernet, DDR and Anti-Tamper MCUs based on ARM® Cortex®-M0+ Core
Kinetis K80: 150 MHz, Advanced security & QuadSPI Microcontrollers based on ARM® Cortex®-M4 Core
Kinetis K81: 150 MHz, HW Cryptographic Co-Processor, Anti-Tamper, QuadSPI MCU based on ARM® Cortex®-M4
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+ Core
KL03: Kinetis KL03-48MHz, 1x I2C, Small package, Entry-Level Ultra-Low Power MCU based on ARM® Cortex®-M0+ Core
KL1x: Kinetis KL1x-48MHz, Mainstream Small-Low Power Microcontrollers based on ARM® Cortex®-M0+ Core
KL2x: Kinetis KL2x-48MHz, USB Ultra-Low-Power Microcontrollers based on ARM® Cortex®-M0+ Core
KL3x: Kinetis KL3x-48MHz, Segment LCD Ultra-Low-Power Microcontrollers based on ARM® Cortex®-M0+ Core
KL4x: Kinetis KL4x-48MHz, USB, Segment LCD, Ultra-Low-Power Microcontrollers based on ARM® Cortex®-M0+ Core
KL8x: Kinetis KL8x-72/96 MHz Secure Ultra-Low-Power Microcontrollers based on ARM® Cortex®-M0+ Core
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+ Core
KM3x: Kinetis KM3x-50–75 MHz Precision Metrology with Segment LCD MCUs based on ARM® Cortex®-M0+ 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+ Core
KV3x: Kinetis KV3x-100–120 MHz, Advanced 3PH FOC / Sensorless Motor Control MCUs based on ARM® Cortex®-M4 Core
KV4x: Kinetis KV4x-168 MHz, High Performance Motor / Power Conversion MCUs based on ARM® Cortex®-M4 Core
KV5x: Kinetis KV5x-240 MHz, Motor Control and Power Conversion, Ethernet, MCUs based on ARM® Cortex®-M7 Core
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+ Core
<table>
<thead>
<tr>
<th>Microcontroller</th>
<th>Cortex® Cores</th>
<th>Package</th>
<th>Flash, RAM, Pinout</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPC1100 Series</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11DF20</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11FHD20</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11FHN33</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11JD48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11JHN33</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11JFH33</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC112FBD48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC114FBD48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC114FH33</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC115FBD48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC115FET48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC115FET48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC115JFD48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11A02U</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11A04UK</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11A1FHN33</td>
<td>ARM® Cortex® M0+/M0</td>
<td>8kB SRAM</td>
<td>Flash, 8kB SRAM, AD, LQFP48 package</td>
</tr>
<tr>
<td>LPC11A1FBD48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11A2FBD48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11C2FBD48</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11D1FBD10</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
<tr>
<td>LPC11E1FHN33</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
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<td>LPC11E1FBD48</td>
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</tr>
<tr>
<td>LPC11E14FB64</td>
<td>ARM® Cortex® M0+/M0</td>
<td>Scalable Entry Level 32-bit Microcontroller (MCU)</td>
<td>based on ARM® Cortex® M0+/M0 Cores</td>
</tr>
</tbody>
</table>
LPC11E14FHN33: Scalable Entry Level 32-bit Microcontroller (MCU) based on ARM® Cortex®-M0+/M0 Cores
LPC11E35FH33: delete
LPC11E36FBD64: Scalable Entry Level 32-bit Microcontroller (MCU) based on ARM® Cortex®-M0+/M0 Cores
LPC11E36FH33: 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
LPC11E37FBD64: 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 k 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
LPC11E68JBD64: 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
LPC11U14FBD48: 32kB flash, 6kB SRAM, LQFP48 package
LPC11U22FHN33: 32kB flash, 8kB SRAM, HVQFN32 package
LPC11U24FBD48: 40kB flash, 8kB SRAM, LQFP48 package
LPC11U35FH33: 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
LPC1225FBD64: 64kB flash, 8kB SRAM, LQFP48 package
LPC1225FBD64: 64kB flash, 8kB SRAM, LQFP48 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
LPC1342FBD64: 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
LPC1517BD48: Motion Control 32-bit Microcontroller based on ARM Cortex-M3
LPC1517BD64: 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
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
LPC1766FBD100: 256kB flash, 64kB SRAM, USB, TFBGA100 package
LPC1767FBD100: 512kB flash, 64kB SRAM, Ethernet, USB, LQFP100 package
LPC1768FBD100: 512kB flash, 64kB SRAM, Ethernet, USB, LQFP100 package
LPC1768FTE100: 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
LPC1777FBD208: 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
LPC1779FBD208: Scalable Mainstream 32-bit Microcontroller (MCU) based on ARM Cortex-M3 Core
LPC1780FBD208: Scalable Mainstream 32-bit Microcontroller (MCU) based on ARM Cortex-M3 Core
LPC1781FBD208: Scalable Mainstream 32-bit Microcontroller (MCU) based on ARM Cortex-M3 Core
LPC1782FBD208: Scalable Mainstream 32-bit Microcontroller (MCU) based on ARM Cortex-M3 Core
LPC1783FBD208: Scalable Mainstream 32-bit Microcontroller (MCU) based on ARM Cortex-M3 Core
LPC1784FBD208: 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
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 Core
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, LBGA256 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
LPC1857FET256: 1 MB flash, 136 kB SRAM, two High-speed USB, Ethernet, LCD, LBGA256 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
LPC1851OFBD144: 32-bit ARM Cortex-M3 flashless MCU with security features; 136 kB SRAM; EMC
LPC1851OFET100: 32-bit ARM Cortex-M3 flashless MCU with security features; 136 kB SRAM; EMC
LPC1853OFBD144: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, EMC
LPC1853OFET100: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, EMC
LPC1853JBD144: 32-bit ARM Cortex-M3 MCU; 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, EMC, AES engine
LPC1853JET100: 32-bit ARM Cortex-M3 MCU; 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, EMC, AES engine
LPC1855OFET180: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, LCD, EMC
LPC1855OFET256: 32-bit ARM Cortex-M3 flashless MCU with security features; 200 kB SRAM; Ethernet, two HS USB, LCD, EMC
LPC1855JBD208: 32-bit ARM Cortex-M3 MCU; 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC, AES engine
LPC1855JET256: 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
LPC4072FD80: 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
LPC4078FET80: 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
LPC4088FET80: 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, SPI, GPIO, 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
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPC4322JB/144</td>
<td>32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC</td>
</tr>
<tr>
<td>LPC4322JT/100</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4323JB/144</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
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<tr>
<td>LPC4323JT/100</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4325JB/144</td>
<td>32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC</td>
</tr>
<tr>
<td>LPC4325JT/100</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4327JB/144</td>
<td>32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC</td>
</tr>
<tr>
<td>LPC4327JT/100</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4330FB/144</td>
<td>Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SPIGIO, SCT</td>
</tr>
<tr>
<td>LPC4330FET/100</td>
<td>Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SPIGIO, SCT</td>
</tr>
<tr>
<td>LPC4330FET/180</td>
<td>Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SPIGIO, SCT</td>
</tr>
<tr>
<td>LPC4330FET/256</td>
<td>Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SPIGIO, SCT</td>
</tr>
<tr>
<td>LPC4333FET/256</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4333JB/144</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4333JT/100</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4337JT/256</td>
<td>32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC</td>
</tr>
<tr>
<td>LPC4337FB/144</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4337FET/180</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4337FET/256</td>
<td>32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC</td>
</tr>
<tr>
<td>LPC4337JT/100</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4337FET/256</td>
<td>Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SPIGIO, SCT</td>
</tr>
<tr>
<td>LPC4335FET/180</td>
<td>High Performance 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4335FET/256</td>
<td>32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC</td>
</tr>
<tr>
<td>LPC4335FET/180</td>
<td>32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC</td>
</tr>
<tr>
<td>LPC4335FET/256</td>
<td>Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SPIGIO, SCT</td>
</tr>
<tr>
<td>LPC4332FET/180</td>
<td>32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; two High-speed USB, LCD, EMC</td>
</tr>
<tr>
<td>LPC4367JB/208</td>
<td>High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4367JE/100</td>
<td>High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4367JE/256</td>
<td>High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC4370FET/100</td>
<td>32-bit ARM Cortex-M4 + 2 x M0 MCU; 282 kB SRAM; Ethernet; two HS USBs; 80 MspS 12-bit ADC; configurable peripherals</td>
</tr>
<tr>
<td>LPC4370FET/256</td>
<td>32-bit ARM Cortex-M4 + 2 x M0 MCU; 282 kB SRAM; Ethernet; two HS USBs; 80 MspS 12-bit ADC; configurable peripherals</td>
</tr>
<tr>
<td>LPC43520FB/144</td>
<td>32-bit ARM Cortex-M4/M0 flashless MCU with security features; 200 kB SRAM; USB</td>
</tr>
<tr>
<td>LPC43520FET/180</td>
<td>32-bit ARM Cortex-M4/M0 flashless MCU with security features; 200 kB SRAM; USB</td>
</tr>
<tr>
<td>LPC43530FB/144</td>
<td>32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs</td>
</tr>
<tr>
<td>LPC43530FET/100</td>
<td>32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs</td>
</tr>
<tr>
<td>LPC43530FET/256</td>
<td>32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs</td>
</tr>
<tr>
<td>LPC43537JB/144</td>
<td>32-bit ARM Cortex-M4/M0 MCU; 1 MB flash and 136 kB SRAM; Ethernet, 2 x USB, EMC, AES engine</td>
</tr>
<tr>
<td>LPC43537JE/100</td>
<td>32-bit ARM Cortex-M4/M0 MCU; 1 MB flash and 136 kB SRAM; Ethernet, 2 x USB, EMC, AES engine</td>
</tr>
<tr>
<td>LPC43550FET/180</td>
<td>32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs; LCD</td>
</tr>
<tr>
<td>LPC43550FET/256</td>
<td>32-bit ARM Cortex-M4/M0 flashless MCU with security features; 264 kB SRAM; Ethernet; two HS USBs; LCD</td>
</tr>
<tr>
<td>LPC43557JB/208</td>
<td>32-bit ARM Cortex-M4/M0 MCU; 1 MB flash and 136 kB SRAM; Ethernet, 2 x USB, LCD, EMC, AES engine</td>
</tr>
<tr>
<td>LPC43557JE/256</td>
<td>32-bit ARM Cortex-M4/M0 MCU; 1 MB flash and 136 kB SRAM; Ethernet, 2 x USB, LCD, EMC, AES engine</td>
</tr>
<tr>
<td>LPC43566JB/208</td>
<td>High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC43566JE/256</td>
<td>High Performance 32-bit Microcontroller based on ARM® Cortex®-M4/M0 Cores</td>
</tr>
<tr>
<td>LPC43570FET/100</td>
<td>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</td>
</tr>
<tr>
<td>LPC43570FET/256</td>
<td>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</td>
</tr>
</tbody>
</table>

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
- LPC54102J512BD64: Low Power 32-bit Microcontroller (MCU) based on ARM® Cortex®-M4 Core
LPC800 Series: Low-Cost Microcontrollers (MCUs) based on ARM® Cortex®-M0+ Cores
LPC810M021F8N: 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
LPC811M001IDH16: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+
LPC812M101FD20: 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
LPC812M101ID20: 32-bit ARM Cortex-M0+ microcontroller; 16 kB flash and 4 kB SRAM
LPC812M101IDH16: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+
LPC812M101IDH20: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+
LPC812M101JT616: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+
LPC822M101JD20: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+
LPC822M101JDH20: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+
LPC824M201JD20: Low Cost 32-bit Microcontroller based on ARM® Cortex®-M0+
LPC824M201JDH20: 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
Ultra mobileGT®

MPC5777M: [S08AW: 8-bit General Purpose AW60/48/32/16 MCUs]
MPC574xP: [S12D: S12D Automotive and Industrial Microcontrollers (MCUs)]
MPC574xB: [S12E: S12E Automotive and Industrial Microcontrollers (MCUs)]
MPC5746R: [S12G: Ultra-Reliable S12G General Purpose Automotive and Industrial Microcontrollers]
MPC567xK: [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]
MPC574xP: [S12D: S12D Automotive and Industrial Microcontrollers (MCUs)]
MPC574xP: [S12D: S12D Automotive and Industrial Microcontrollers (MCUs)]
MPC574xB: [S12E: S12E Automotive and Industrial Microcontrollers (MCUs)]
MPC5746R: [S12G: Ultra-Reliable S12G General Purpose Automotive and Industrial Microcontrollers]
MPC567xK: [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]
MPC574xP: [S12D: S12D Automotive and Industrial Microcontrollers (MCUs)]
MPC574xP: [S12D: S12D Automotive and Industrial Microcontrollers (MCUs)]
MPC574xB: [S12E: S12E Automotive and Industrial Microcontrollers (MCUs)]
MPC5746R: [S12G: Ultra-Reliable S12G General Purpose Automotive and Industrial Microcontrollers]
MPC567xK: [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]

mobileGT® (S1xx/S2xx)

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

MPC5Sxx MCUs

MPC5S10: NXP® 32-bit MCU for Body Electronics Applications
MPC5S34: 32-bit MCU for Low-End Automotive Powertrain Applications
MPC5S53: 32-bit MCU for Automotive Powertrain Applications
MPC5S54: 32-bit MCU for Powertrain Applications
MPC5S61: 32-bit MCU for Automotive ADAS Applications
MPC5S65: 32-bit MCU for Automotive Powertrain and Industrial Applications
MPC5S66: 32-bit MCU for Automotive Powertrain Applications
MPC5S67: 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 MPC564xS 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
MPC5677K: Ultra-Reliable MPC5677K 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
MPC5777K: Ultra-Reliable MPC5777K 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
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