Symmetry™ 32-Bit Wireless MCU

MIGHTY GECKO  
Zigbee + Thread + BT Smart + Proprietary wireless

FLEX GECKO  
Proprietary wireless  
(Sub – Ghz and 2.4 Ghz)

BLUE GECKO  
BT Smart + Proprietary wireless

EFM32™ 32-bit Microcontrollers (MCUs)

PEARL GECKO  
EFM32PG

WONDER GECKO  
EFM32WG

GIANT GECKO  
EFM32GG

TINY GECKO  
EFM32TG

HAPPY GECKO  
EFM32HG
## SOFTWARE

**Simplicity Studio:**
- Application Notes
- Data Sheets
- Reference Manual
- Driver Libraries
- Application Builder
- Network Analyzer
- Adv. Energy Monitor
- Part Configuration
- Modern Calculator
- RTOS Support

**Software Stacks:**
- Mesh - IEEE15.4 Zigbee/Thread
- Bluetooth Smart (BLE 4.2/BLE 5.0)
- Proprietary RAIL, Connect

**Reference Designs:**
- Home Automation
- Lighting

## DEV KITS

**SENSOR KIT**
Mighty Gecko Multi-Sensor Cloud Kit, Thunderboard Sense - $29

**DEV KITS**

**WIRELESS MCU KITS**
- Blue Gecko BT Smart SiP Module Wireless Starter Kit SLWSTK6101C - $99
- Blue Gecko BLE Wireless SoC Starter Kit SLWSTK6020A - $99
- Flex Gecko 2.4 GHz and 915 MHz Wireless Starter Kit SLWSTK6060A - $276
- Mighty Gecko Wireless Starter Kit SLWSTK6000A - $499

**MCU KIT**
EFM32™ Pearl Gecko Starter Kit SLSTK3401A - $29

## PRODUCT FAMILY CHART

<table>
<thead>
<tr>
<th>Family</th>
<th>ARM Cortex</th>
<th>Flash Memory (KB)</th>
<th>RAM (KB)</th>
<th>GPIO (Pins)</th>
<th>Packaging</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flex Gecko (Wireless MCU)</td>
<td>M4</td>
<td>32, 64, 128, 256</td>
<td>8, 16, 32</td>
<td>16-31</td>
<td>QFN32, QFN48</td>
<td>Cryptography AES-128; AES-256; ECC; SHA-1; SHA-2</td>
</tr>
<tr>
<td>Blue Gecko (Wireless MCU)</td>
<td>M4</td>
<td>128, 256</td>
<td>16, 32</td>
<td>16-31</td>
<td>QFN32, QFN48</td>
<td></td>
</tr>
<tr>
<td>Mighty Gecko (Wireless MCU)</td>
<td>M4</td>
<td>256, 768</td>
<td>32</td>
<td>16-31</td>
<td>QFN32, QFN48</td>
<td></td>
</tr>
<tr>
<td>Zero Gecko</td>
<td>M0+</td>
<td>4, 8, 16, 32</td>
<td>2, 4</td>
<td>17-37</td>
<td>QFN24, QFN32, QFP48</td>
<td>USB - None LCD - None</td>
</tr>
<tr>
<td>Happy Gecko</td>
<td>M0+</td>
<td>32, 64</td>
<td>4, 8</td>
<td>15-37</td>
<td>CSP36, QFN24, QFN32, QFP48</td>
<td>USB - D LCD - None</td>
</tr>
<tr>
<td>Tiny Gecko</td>
<td>M3</td>
<td>4, 8, 16, 32</td>
<td>2, 4</td>
<td>17-56</td>
<td>BGA48, QFN24, QFN32, QFN64, QFP48, QFP64</td>
<td>USB - None LCD - 1-8 x 11-24</td>
</tr>
<tr>
<td>Giant Gecko</td>
<td>M3</td>
<td>512, 1024</td>
<td>128</td>
<td>50-93</td>
<td>BGA112, BGA120, QFN64, QFP100, QFP64</td>
<td>USB - D/H/O LCD - 1-8 x 16-36</td>
</tr>
<tr>
<td>Pearl Gecko</td>
<td>M4</td>
<td>128, 256</td>
<td>32</td>
<td>20-32</td>
<td>QFN32, QFN48</td>
<td>USB - None LCD - None</td>
</tr>
<tr>
<td>Wonder Gecko</td>
<td>M4</td>
<td>64, 128, 256</td>
<td>32</td>
<td>50-93</td>
<td>BGA112, BGA120, CSP81, QFN64, QFP100, QFP64</td>
<td>USB - D/H/O LCD - 1-8 x 16-36</td>
</tr>
</tbody>
</table>