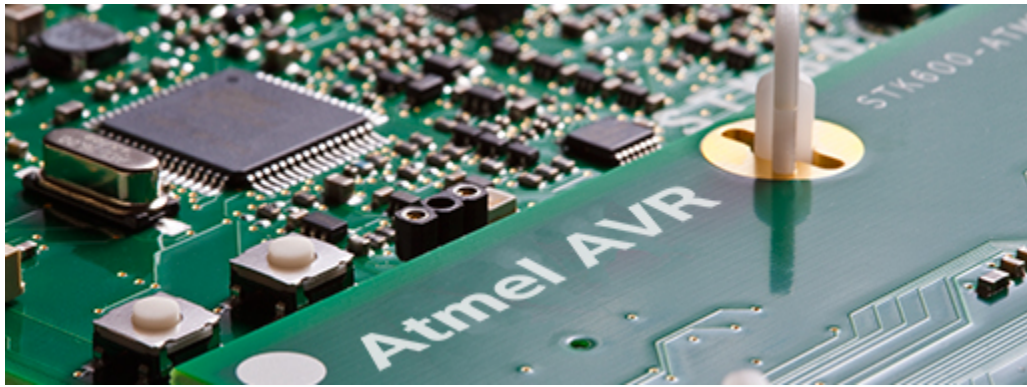


# Atmel AVR 8- and 32-bit Microcontrollers



## Performance, Efficiency, and Flexibility Across a Broad Range of Applications

Atmel® AVR® 8- and 32-bit microcontrollers deliver a unique combination of performance, power efficiency, and design flexibility. Optimized to speed time to market, they are based on the industry's most code-efficient architecture for C and assembly programming. No other microcontrollers deliver more computing performance with better power efficiency. Industry-leading development tools and design support let you get to market faster. Once there, the large AVR family lets you reuse your knowledge when improving your products and expanding to new markets—easily and cost-effectively.

## Atmel AVR 8- and 32-bit Microcontrollers Devices

Device Family	Summary Benefit	Applications	Technologies	Key Parameters
<a href="#">32-bit AVR UC3</a>	The world's most efficient 32-bit microcontroller	General Purpose	<p>picoPower®</p> <p>SleepWalking</p> <p>FlashVault</p> <p>DMA</p> <p>Event System</p> <p>Self Programming</p>	<p>16-512KB Flash</p> <p>48-144 pins</p> <p>Up to 66 MHz</p> <p>1.5 MIPS/MHz</p>
<a href="#">8/16-bit AVR XMEGA</a>	Xtreme performance 8-bit	General Purpose	<p>picoPower</p> <p>SleepWalking</p> <p>DMA</p> <p>Event System</p> <p>EEPROM</p> <p>Self Programming</p>	<p>16-384KB Flash</p> <p>44-100 pins</p> <p>Up to 32 MHz</p> <p>1.0 MIPS/MHz</p>

<a href="#">8-bit megaAVR</a>	More peripherals and options	General Purpose Lighting LCD	QTouch picoPower SleepWalking EEPROM Self Programming	4-256KB Flash 28-100-pins Up to 20 MHz 1.0 MIPS/MHz
<a href="#">8-bit tinyAVR</a>	Small and powerful	General Purpose Limited board space	QTouch EEPROM 0.7V operation	0.5 – 8KB Flash 6-32 pins Up to 20MHz 1.0 MIPS/MHz
<a href="#">Battery Management</a>	Li-Ion Battery Management	Gas gauging Cell Balancing Authentication Short Circuit protection Heat protection	1 – 4 cells High Side N-MOS Coloumb Counter Temperature Sensor Self Programming	1.8 – 25V operation 8 – 40KB Flash 28 – 48 pins Up to 8 MHz 1.0 MIPS/MHz
<a href="#">Automotive AVR</a>	Intelligence, control, and rugged design for demanding automotive environments.  Qualified for Automotive	Automotive	QTouch picoPower SleepWalking EEPROM Self Programming	Robust design for automotive environments Rich portfolio for a variety of applications Dependable design

**FOR OTHER INFORMATION:**

Telephone: +65 6515 2988

Fax: +65 6515 4515

[Email://info@mccoy.com.sg](mailto://info@mccoy.com.sg)

[www.mccoymccomponents.com](http://www.mccoymccomponents.com)