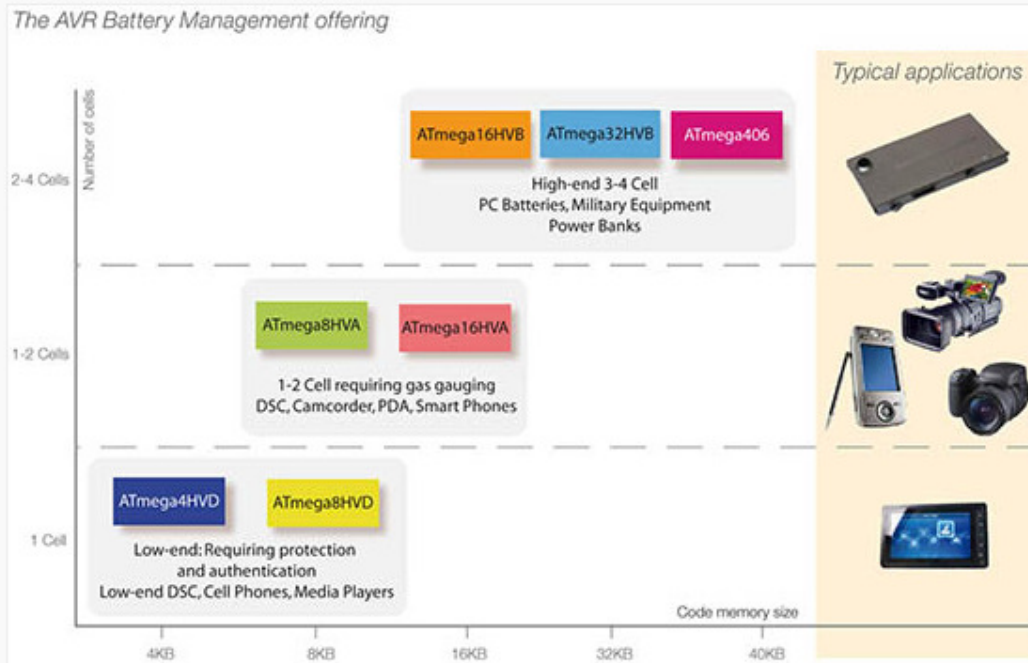


AVR® 8-Bit RISC - Applications - Battery Management - Product Range

Atmel's battery management devices combine all the necessary functions into one monolithic chip. Manufactured in Atmel's patented high voltage process with elements of the picoPower™ design techniques, the devices offer a unique performance and flexibility at very low power consumption. The integrated and high accuracy analog functions ensure the maximum available energy in the batteries can be used while keeping the cost down.



Products	Flash (KB)	EEPROM (Bytes)	SRAM (Bytes)	I/O pins	FET Drive	V _{gs} typ (V)	12-bit A/D (Channel)	Voltage Measure Accuracy (mV)*	Coulomb Counter	V _{cc} Range (V)
ATmega8HVA	8	256	512	6	N	4.5	5	12.5	18-bit	1.8-9.0
ATmega16HVA	16	256	512	6	N	4.5	5	12.5	18-bit	1.8-9.0
ATmega406	40	512	2048	18	P	1	10	12.5	18-bit	4.0-25
ATmega4HVD	4	256	512	5	N	4.5	2 (10-bit)	50	--	2.0-5.5
ATmega8HVD	8	256	512	5	N	4.5	2 (10-bit)	50	--	2.0-5.5
ATmega16HVB	16	512	1024	18	N	12	10	12.5	18-bit	4.0-25
ATmega32HVB	32	1024	2048	18	N	12	10	12.5	18-bit	4.0-25

* In the 0°C to +60°C temperature range.