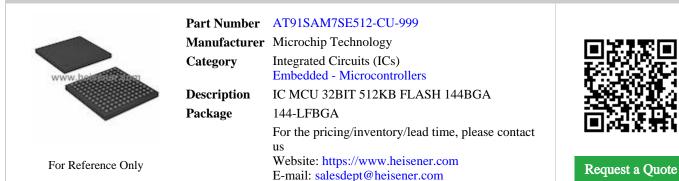


# AT91SAM7SE512-CU-999

### AT91SAM7SE512-CU-999 Information



### **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## AT91SAM7SE512-CU-999 Specifications

Manufacturer Microchip Technology   Package Manufactures (ICs)   Proper Sefed   Sorries SAM7SE   Core Sroc ARM7?   Conecsor I6/32-Bit   Speed SOMHz   Connectivity EBI/EMI, I2C, SPI, SSC, UART/USART, USB   Number of I/O 88   Program Memory Size S12KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 1.65 V ~ 1.95 V   Data Converters A/D 8x10b		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LFBGASeriesSAM7SECore ProcessorARM7?Core Size16/32-BitSpeed55MHzConnectivityEBI/EMI, 12C, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O88Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Manufacturer Part Number	AT91SAM7SE512-CU-999
Hebedded - MicrocontrollersPackage144.LFBGASeriesSAM7SECore ProcessorARM7?Core Size16/32-BitSpeed55MHzConnectivityEBI/EMI, 12C, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O88Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Manufacturer	Microchip Technology
Package144.LFBGASeriesSAM7SECore ProcessorARM7?Core Size16/32-BitSpeed55MHzConnectivityBEI/EMI, 12C, SPI, SSC, UART/USART, USBPripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O88Program Memory Size512KB (512K x 8)PEROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V~1.95 VData ConvertersAD8 810bOperating Temperature4.0°C ~85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Category	Integrated Circuits (ICs)
Series SAM7SE   Series SAM7?   Core Processor ARM7?   Core Size 16/32-Bit   Speed 55MHz   Connectivity EBI/EMI, I2C, SPI, SSC, UART/USART, USB   Peripherals Brown-out Detect/Reset, POR, PWM, WDT   Number of I/O 88   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 1.65 V ~ 1.95 V   Data Converters A/D 8x10b   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Prokage / Case 144-EBGA (13x13)		Embedded - Microcontrollers
Core ProcessorARM??Core Size16/32-BitSpeed55MHzConnectivityEBI/EMI, I2C, SPI, SSC, UART/USART, USBPoripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O88Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOperating Temperature-Querting Temperature-Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Package	144-LFBGA
Core Size16/32-BitSpeed55MHzConnectivityEBI/EMI, I2C, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O88Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-EFBGASupplier Device Package144-BGA (13x13)	Series	SAM7SE
Speed55MHzConnectivityEBI/EMI, I2C, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O88Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V~1.95 VData ConvertersAnD 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Core Processor	ARM7?
Connectivity EBI/EMI, 12C, SPI, SSC, UART/USART, USB   Peripherals Brown-out Detect/Reset, POR, PWM, WDT   Number of I/O 88   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 1.65 V ~ 1.95 V   Data Converters A/D 8x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 144-EBGA (13x13)	Core Size	16/32-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT   Number of I/O 88   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 1.65 V ~ 1.95 V   Data Converters A/D 8x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 144-LFBGA   Supplier Device Package 144-BGA (13x13)	Speed	55MHz
Number of I/O 88   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 1.65 V ~ 1.95 V   Data Converters A/D 8x10b   Oscillator Type -40°C ~ 85°C (TA)   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 144-LFBGA   Supplier Device Package 144-BGA (13x13)	Connectivity	EBI/EMI, I2C, SPI, SSC, UART/USART, USB
Number of PoeofProgram Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Number of I/O	88
EEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Program Memory Size	512KB (512K x 8)
RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.65 V ~ 1.95 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	EEPROM Size	-
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	RAM Size	32K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 1.95 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Data Converters	A/D 8x10b
Mounting Type-Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Oscillator Type	Internal
Package / Case144-LFBGASupplier Device Package144-BGA (13x13)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package144-BGA (13x13)	Mounting Type	-
	Package / Case	144-LFBGA
Report errors?	Supplier Device Package	144-BGA (13x13)
1 I		Report errors?

### AT91SAM7SE512-CU-999 Guarantees



**Quality Guarantees** 

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### AT91SAM7SE512-CU-999 Payment Methods



If you have any question about AT91SAM7SE512-CU-999, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com