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See specifications for product details.



AT91SAM7XC512B-CU

Manufacturer Part Number	AT91SAM7XC512B-CU
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT91SAM7XC512B-CU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16/32BIT 512KB 100TFBGA
Package	100-TFBGA
Data sheet	SAM7XC512,256,128 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT91SAM7XC512B-CU - Microchip Technology.New Original in Stock. Download Linear Technology AT91SAM7XC512B-CU datasheet/specifications on AllelcoElec.com. Request a quote for AT91SAM7XC512B-CU, please send us email: info@allelco.com

Specifications

AT91SAM7XC512B-CU Tech Specifications
AT91SAM7XC512B-CU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 1.95V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-TFBGA (9x9)	Number of I/O	62
Speed	55MHz	Mounting Type	Surface Mount
Series	SAM7XC	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	16/32-Bit
Program Memory Size	512KB (512K x 8)	Core Processor	ARM7®
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	CANbus, Ethernet, I ² C, SPI, SSC, UART/USART, USB
Package / Case	100-TFBGA	Base Product Number	AT91SAM7XC512
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT91SAM7XC512B-CU

Product Attribute				
Part Number	AT91SAM7XC512B-CU	AT91SAM7XC256-AU	AT91SAM7XC256B-AU	AT91SAM7X512B-AUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	62	62	62	62
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	ARM7®	ARM7®	ARM7®	ARM7®
Package / Case	100-TFBGA	100-LQFP	100-LQFP	100-LQFP
Connectivity	CANbus, Ethernet, I ² C, SPI, SSC, UART/USART, USB	CANbus, Ethernet, I ² C, SPI, SSC, UART/USART, USB	CANbus, Ethernet, I ² C, SPI, SSC, UART/USART, USB	CANbus, Ethernet, I ² C, SPI, SSC, UART/USART, USB
Voltage - Supply (Vcc/Vdd)	1.65V ~ 1.95V	1.65V ~ 1.95V	1.65V ~ 1.95V	1.65V ~ 1.95V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	100-TFBGA (9x9)	100-LQFP (14x14)	100-LQFP (14x14)	100-LQFP (14x14)
Base Product Number	AT91SAM7XC512	AT91SAM7XC256	AT91SAM7XC256	AT91SAM7X512
Speed	55MHz	55MHz	55MHz	55MHz
Core Size	16/32-Bit	16/32-Bit	16/32-Bit	16/32-Bit
RAM Size	128K x 8	64K x 8	64K x 8	128K x 8
Package	Tray	Tray	Tray	Tape & Reel (TR)
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Series	SAM7XC	SAM7XC	SAM7XC	SAM7X
Program Memory Size	512KB (512K x 8)	256KB (256K x 8)	256KB (256K x 8)	512KB (512K x 8)

AT91SAM7XC512B-CU Datasheet PDF

Download AT91SAM7XC512B-CU pdf datasheets and Microchip Technology documentation for AT91SAM7XC512B-CU - Microchip Technology.

Datasheets

[SAM7XC512,256,128 Datasheet.pdf](#)

PCN Packaging


[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

PCN Design/Specification

 Cylindrical Battery Holders.pdf

PCN Assembly/Origin


 2.73KHz.pdf

PCN Obsolescence/ EOL

 Multiple Devices 10/Dec/2013.pdf



















 Retraction of Multiple Devices 14/Mar/2014.pdf

PCN Part Number

 2.73KHz.pdf

Customers Also Interested in

Recommended Products

 AT91SAM7XC256-AU Microchip Technology IC MCU 16/32B 256KB FLSH 100LQFP	 AT91SAM9260B-QU Microchip Technology IC MCU 32BIT 32KB ROM 208QFP	 AT91SAM7XC256B-AU Microchip Technology IC MCU 16/32B 256KB FLSH 100LQFP	 AT91SAM9260B-CU-999 Microchip Technology IC MCU 32BIT 32KB ROM 217BGA	 AT91SAM7X512B-AUR Microchip Technology IC MCU 16/32B 512KB FLSH 100LQFP	 AT91SAM7XC512-AU Altera (Intel)
 AT91SAM7XC128-AU Microchip Technology IC MCU 16/32B 128KB FLSH 100LQFP	 AT91SAM9260B-CU Microchip Technology IC MCU 32BIT 32KB ROM 217BGA	 AT91SAM7XC512-CU Microchip Technology IC MCU 16/32BIT 512KB 100TFBGA	 AT91SAM9260 Atmel (Microchip Technology)	 AT91SAM7X512B-CU Microchip Technology IC MCU 16/32BIT 512KB 100TFBGA	 AT91SAM9260-QU Atmel (Microchip Technology)
 AT91SAM7XC512-CU Atmel IC MCU 16/32BIT 512KB 100TFBGA	 AT91SAM7X512-AU Microchip Technology IC MCU 16/32B 512KB FLSH 100LQFP	 AT91SAM9260B-QU Atmel AT91SAM9260 - RISC MICROCONTROLL	 AT91SAM9260CJ Atmel (Microchip Technology)	 AT91SAM7X512B-AU Microchip Technology IC MCU 16/32B 512KB FLSH 100LQFP	 AT91SAM9260-CJ Atmel (Microchip Technology)

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

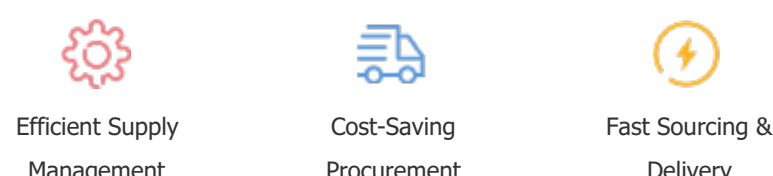
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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Contact us

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