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See specifications for product details.



## AT91SAM9G45B-CU

Manufacturer Part Number	<a href="#">AT91SAM9G45B-CU</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-AT91SAM9G45B-CU
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC MCU 32BIT 64KB ROM 324TFBGA
Package	324-TFBGA
Data sheet	<a href="#">SAM9G45 Datasheet.pdf</a> <a href="#">SAM9G45 Summary.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

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AT91SAM9G45B-CU - Microchip Technology. New Original in Stock. Download Linear Technology AT91SAM9G45B-CU datasheet/specifications on AllelcoElec.com. Request a quote for AT91SAM9G45B-CU, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

AT91SAM9G45B-CU Tech Specifications  
AT91SAM9G45B-CU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 85°C (TA)
Voltage - I/O	1.8V, 3.3V	Number of Cores/Bus Width	1 Core, 32-Bit
USB	USB 2.0 (3)	Mounting Type	Surface Mount
Supplier Device Package	324-TFBGA (15x15)	Graphics Acceleration	No
Speed	400MHz	Ethernet	10/100Mbps
Series	SAM9G	Display & Interface Controllers	LCD, Touchscreen
Security Features	-	Core Processor	ARM926EJ-S
SATA	-	Co-Processors/DSP	-
RAM Controllers	LPDDR, LPSDR, DDR2, SDR, SRAM	Base Product Number	AT91SAM9
Package / Case	324-TFBGA	Additional Interfaces	AC97, EBI/EMI, I <sup>2</sup> C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT91SAM9G45B-CU

Product Attribute				
Part Number	AT91SAM9G45B-CU	<a href="#">AT91SAM9M10C-CU</a>	<a href="#">AT91SAM9G20B-CFU</a>	<a href="#">AT91SAM9M10-CU</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Atmel
Supplier Device Package	324-TFBGA (15x15)	324-TFBGA (15x15)	247-TFBGA (10x10)	324-TFBGA (15x15)
Ethernet	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
RAM Controllers	LPDDR, LPSDR, DDR2, SDR, SRAM	LPDDR, LPSDR, DDR2, SDR, SRAM	SDRAM, SRAM	LPDDR, LPSDR, DDR2, SDR, SRAM
Package	Tray	Tray	Tray	Tray
Package / Case	324-TFBGA	324-TFBGA	247-TFBGA	324-TFBGA
Core Processor	ARM926EJ-S	ARM926EJ-S	ARM926EJ-S	ARM926EJ-S
USB	USB 2.0 (3)	USB 2.0 (3)	USB 2.0 (2)	USB 2.0 (3)
Voltage - I/O	1.8V, 3.3V	1.8V, 3.3V	1.8V, 3.3V	1.8V, 3.3V
Speed	400MHz	400MHz	400MHz	400MHz
Series	SAM9G	SAM9M	SAM9G	SAM9M
SATA	-	-	-	-
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Security Features	-	-	-	-
Additional Interfaces	AC97, EBI/EMI, I <sup>2</sup> C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART	AC97, EBI/EMI, I <sup>2</sup> C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART	EBI/EMI, I <sup>2</sup> C, MMC/SD/SDIO, SPI, SSC, UART/USART	AC97, EBI/EMI, I <sup>2</sup> C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	AT91SAM9	AT91SAM9	AT91SAM9	-
Co-Processors/DSP	-	-	-	-
Graphics Acceleration	No	No	No	No
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Display & Interface Controllers	LCD, Touchscreen	LCD, Touchscreen, Video Decoder	-	LCD, Touchscreen, Video Decoder

## AT91SAM9G45B-CU Datasheet PDF

Download AT91SAM9G45B-CU pdf datasheets and Microchip Technology documentation for AT91SAM9G45B-CU - Microchip Technology.

### Datasheets

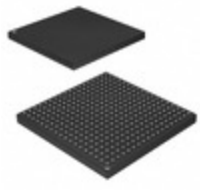
SAM9G45 Datasheet.pdf

### HTML Datasheet

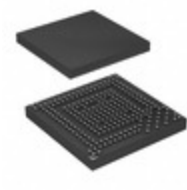


## Customers Also Interested in

### Recommended Products

**AT91SAM9M10C-CU**Microchip Technology  
IC MCU 32BIT 64KB ROM 324TFBGA**AT91SAM9G20B-CU-10I**

Atmel (Microchip Technology)

**AT91SAM9G20B-CU**Atmel  
AT91SAM9G20 - RISC  
MICROCONTROLL**AT91SAM9G20B-CFU**Microchip Technology  
IC MCU 32BIT 64KB ROM 247TFBGA**AT91SAM9N12A-CU**

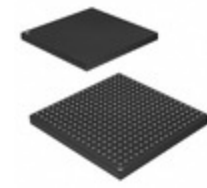
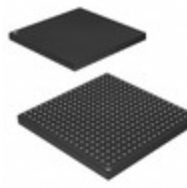
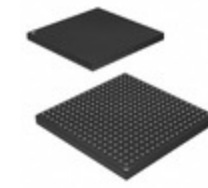
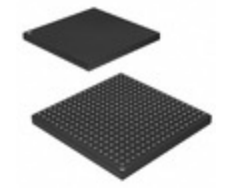
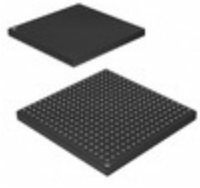
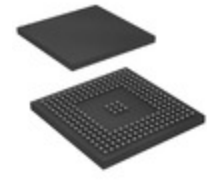
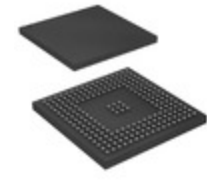
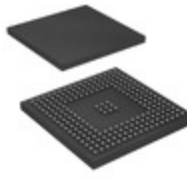
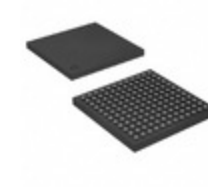
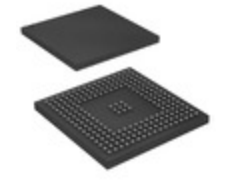
Atmel (Microchip Technology)

**AT91SAM9M10-CU**Atmel  
RISC MCU, 32-BIT, FLASH, 400MHZ**AT91SAM9G20B-CU-10**

Atmel (Microchip Technology)

**AT91SAM9G45CU**

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**AT91SAM9G45C-CU**Microchip Technology  
IC MCU 32BIT 64KB ROM 324TFBGA**AT91SAM9M10-CU**Microchip Technology  
IC MCU 32BIT 64KB ROM 324TFBGA**AT91SAM9G46B-CU**Microchip Technology  
IC MCU 32BIT 64KB ROM 324TFBGA**AT91SAM9G45-CU**Microchip Technology  
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IC MCU 32BIT 64KB ROM 217BGA**AT91SAM9G25-CU**Microchip Technology  
IC MCU 32BIT 64KB ROM 217BGA**AT91SAM9N12-CUR**Microchip Technology  
IC MCU 32BIT 128KB ROM 217BGA**AT91SAM9R64-CU**Microchip Technology  
IC MCU 16/32BIT 32KB ROM 144BGA**AT91SAM9G35-CU**Microchip Technology  
IC MCU 32BIT 64KB ROM 217BGA

## 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 -



Efficient Supply  
Management



Cost-Saving  
Procurement



Fast Sourcing &  
Delivery

Contact us if you have any questions.



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