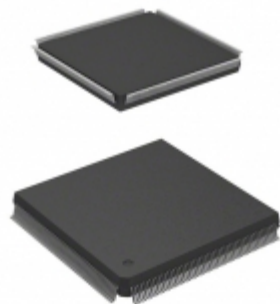


AT91SAM9XE512-QU





Part Number:

AT91SAM9XE512-QU

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 32BIT 512KB FLASH 208QFP

Data sheet:

 [AT91SAM9XEzzz](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

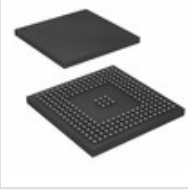
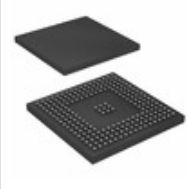
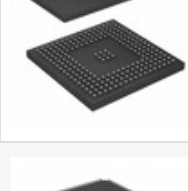
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AT91SAM9XE512-QU                          | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 512KB FLASH 208QFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5324 pcs                                  | Data sheet                     | <a href="#">AT91SAM9XEzzz</a>                                              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - I/O                  | 1.8V, 2.5V, 3.3V                                                           |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | USB 2.0 (3)                               | Supplier Device Package        | 208-PQFP (28x28)                                                           |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 180MHz                                    | Series                         | SAM9XE                                                                     |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | SATA                           | -                                                                          |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SDRAM, SRAM                               | Packaging                      | Tray                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 208-BFQFP                                 | Other Names                    | AT91SAM9XE512QU                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C (TA)                         | Number of Cores/Bus Width      | 1 Core, 32-Bit                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                 |
| Graphics Acceleration                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                        | Ethernet                       | 10/100 Mbps                                                                |
| Display & Interface Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LCD, Touchscreen                          | Detailed Description           | ARM926EJ-S Microprocessor IC SAM9XE 1 Core, 32-Bit 180MHz 208-PQFP (28x28) |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM926EJ-S                                | Co-Processors/DSP              | -                                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AT91SAM9XE                                | Additional Interfaces          | EBI/EMI, I <sup>2</sup> C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART          |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AT9201A1</a><br>Description: MLW ILLUM ROCKER BEZEL                   | Manufacturers: <a href="#">NKK Switches</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE512-CU</a><br>Description: IC MCU 32BIT 512KB FLASH 217BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9X35-CU-999</a><br>Description: IC MCU 32BIT 64KB ROM 217BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9X35-EK</a><br>Description: KIT EVAL FOR AT91SAM9X35           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT9201F</a><br>Description: MLW ILLUM ROCKER BEZEL                    | Manufacturers: <a href="#">NKK Switches</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">AT9201D</a><br>Description: MLW ILLUM ROCKER BEZEL                    | Manufacturers: <a href="#">NKK Switches</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE128-CU</a><br>Description: IC MCU 32BIT 128KB FLASH 217BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE256-CU</a><br>Description: IC MCU 32BIT 256KB FLASH 217BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT9201B</a><br>Description: MLW ILLUM ROCKER BEZEL                    | Manufacturers: <a href="#">NKK Switches</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">AT9201A</a><br>Description: BEZEL BLACK POLY FOR MLW SERIES           | Manufacturers: <a href="#">NKK Switches</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9X35-CU</a><br>Description: IC MCU 32BIT 64KB ROM 217BGA       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT9201E</a><br>Description: MLW ILLUM ROCKER BEZEL                    | Manufacturers: <a href="#">NKK Switches</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">AT9201G</a><br>Description: MLW ILLUM ROCKER BEZEL                    | Manufacturers: <a href="#">NKK Switches</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE-EK</a><br>Description: KIT EVAL FOR AT91SAM9XE             | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE512B-CU</a><br>Description: IC MCU 32BIT 512KB FLASH 217BGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE512B-QU</a><br>Description: IC MCU 32BIT 512KB FLASH 208QFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE256B-CU</a><br>Description: IC MCU 32BIT 256KB FLASH 217BGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE256-QU</a><br>Description: IC MCU 32BIT 256KB FLASH 208QFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9XE128-QU</a><br>Description: IC MCU 32BIT 128KB FLASH 208QFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT9201C</a><br>Description: MLW ILLUM ROCKER BEZEL                    | Manufacturers: <a href="#">NKK Switches</a>                  | <div>RFQ</div> |

| Related keywords for AT91SAM9XE512-QU          |                                                |                                       |                                        |
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