

EFM32G210F128-QFN32T



**SILICON LABS**

**Part Number:** [EFM32G210F128-QFN32T](#)

**Manufacturer:** [Energy Micro \(Silicon Labs\)](#)

**Description:** IC MCU 32BIT 128KB FLASH 32QFN

**Data sheet:**  [EFM32\(G\) Family Datasheet](#)  
 [EFM32G Reference Manual](#)

**RoHs Status:** Lead free / RoHS Compliant

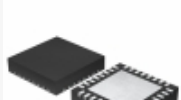
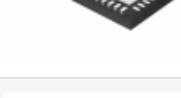
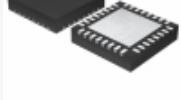
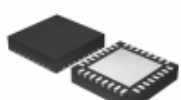
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                           |                                  |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | EFM32G210F128-QFN32T                                                                      | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 128KB FLASH 32QFN                                                            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 41672 pcs                                                                                 | Data sheet                       | <a href="#">EFM32(G) Family Datasheet</a><br><a href="#">EFM32G Reference Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                                 | Voltage - Supply (Vcc/Vdd)       | 1.85 V ~ 3.8 V                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 32-QFN (6x6)                                                                              | Speed                            | 32MHz                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | Gecko                                                                                     | RAM Size                         | 16K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                                     | Program Memory Size              | 128KB (128K x 8)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                | Packaging                        | Tray                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-VQFN Exposed Pad                                                                       | Other Names                      | EFM32G210F128-QFN32-T<br>EFM32G210F128-T<br>EFM32G210F128-T-ND                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                             | 24                                                                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                        |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                                | EEPROM Size                      | -                                                                                    |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                      | ARM® Cortex®-M3 Gecko Microcontroller IC 32-Bit 32MHz 128KB (128K x 8) FLASH 32-QFN (6x6) | Data Converters                  | A/D 4x12b, D/A 1x12b                                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-Bit                                                                                    | Core Processor                   | ARM® Cortex®-M3                                                                      |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | I²C, IrDA, SmartCard, SPI, UART/USART                                                     |                                  |                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                            |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EFM32G200F32G-E-QFN32R</a><br>Description: 32K FLASH, 8K RAM, NO AES     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G200F16G-E-QFN32R</a><br>Description: 16K FLASH, 8K RAM, NO AES     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G200F32G-E-QFN32</a><br>Description: 32K FLASH, 8K RAM, NO AES      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G222F128G-E-QFP48R</a><br>Description: 128K FLASH, 16K RAM, AES     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G222F128-QFP48T</a><br>Description: IC MCU 32BIT 128KB FLASH 48TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G210F128G-E-QFN32R</a><br>Description: 128K FLASH, 16K RAM, AES     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G210F128G-E-QFN32</a><br>Description: 128K FLASH, 16K RAM, AES      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G200F64-QFN32T</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G210F128-QFN32</a><br>Description: IC MCU 32BIT 128KB FLASH 32QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G222F32-QFP48T</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G200F64G-E-QFN32R</a><br>Description: 64K FLASH, 16K RAM, NO AES    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G200F64-QFN32</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G222F32G-E-QFP48</a><br>Description: 32K FLASH, 8K RAM, AES         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G222F128G-E-QFP48</a><br>Description: 128K FLASH, 16K RAM, AES      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G200F64G-E-QFN32</a><br>Description: 64K FLASH, 16K RAM, NO AES     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G200F32-QFN32</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM32G222F32-QFP48</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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Related keywords for EFM32G210F128-QFN32T

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