

EFM32GG12B830F512IQ100-A Information


For Reference Only

Part Number [EFM32GG12B830F512IQ100-A](#)
Manufacturer Silicon Labs
Category Integrated Circuits (ICs)
[Embedded - Microcontrollers](#)
Description MCU 72MHZ QFP100 512KB 80GPIO
Package 100-TQFP
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com



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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.


EFM32GG12B830F512IQ100-A Specifications

| | |
|--|---|
| Manufacturer Part Number | EFM32GG12B830F512IQ100-A |
| Manufacturer | Silicon Labs |
| Category | Integrated Circuits (ICs) Embedded - Microcontrollers |
| Package | 100-TQFP |
| Series | Giant Gecko S1 |
| Core Processor | ARM® Cortex®-M4 |
| Core Size | 32-Bit |
| Speed | 72MHz |
| Connectivity | CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD/SDIO, PDM, QSPI, SmartCard, SPI, UART /USART, USB |
| Peripherals | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT |
| Number of I/O | 81 |
| Program Memory Size | 512KB (512K x 8) |
| Program Memory Type | FLASH |
| EEPROM Size | - |
| RAM Size | 192K x 8 |
| Voltage - Supply (V _{cc} /V _{dd}) | 1.8V ~ 3.8V |
| Data Converters | A/D 16x12b SAR; D/A 2x12b |
| Oscillator Type | Internal |
| Operating Temperature | -40°C ~ 125°C (TA) |
| Mounting Type | Surface Mount |
| Package / Case | 100-TQFP |

EFM32GG12B830F512IQ100-A 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.

EFM32GG12B830F512IQ100-A Payment Methods



EFM32GG12B830F512IQ100-A Shipping Methods



If you have any question about EFM32GG12B830F512IQ100-A, please do not hesitate to contact us!

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