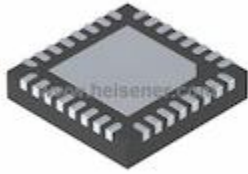


**EFM8BB31F16I-C-QFN32 Information**


For Reference Only

**Part Number** [EFM8BB31F16I-C-QFN32](#)  
**Manufacturer** Silicon Labs  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 8BIT 32QFN  
**Package** 32-UFQFN Exposed Pad  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**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.


**EFM8BB31F16I-C-QFN32 Specifications**

Manufacturer Part Number	<a href="#">EFM8BB31F16I-C-QFN32</a>
Manufacturer	Silicon Labs
Category	Integrated Circuits (ICs) <a href="#">Embedded - Microcontrollers</a>
Package	32-UFQFN Exposed Pad
Series	Busy Bee
Core Processor	CIP-51 8051
Core Size	8-Bit
Speed	50MHz
Connectivity	I <sup>2</sup> C, SMBus, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Number of I/O	29
Program Memory Size	16KB (16K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	2.25K x 8
Voltage - Supply (Vcc/Vdd)	2.2V ~ 3.6V
Data Converters	A/D 20x10/12b SAR; D/A 2x12b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount
Package / Case	32-UFQFN Exposed Pad
Supplier Device Package	32-QFN (4x4)

[Report errors?](#)

## EFM8BB31F16I-C-QFN32 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.

## EFM8BB31F16I-C-QFN32 Payment Methods



## EFM8BB31F16I-C-QFN32 Shipping Methods



If you have any question about EFM8BB31F16I-C-QFN32, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)