

**EFR32BG12P232F1024GM48-B Information**


For Reference Only

**Part Number** [EFR32BG12P232F1024GM48-B](#)  
**Manufacturer** Silicon Labs  
**Category** RF/IF and RFID  
[RF Transceiver ICs](#)  
**Description** BLUE GECKO QFN48 2.4G 10DB BLE/P  
**Package** 48-VFQFN 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.


**EFR32BG12P232F1024GM48-B Specifications**

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <a href="#">EFR32BG12P232F1024GM48-B</a>                 |
| Manufacturer             | Silicon Labs   |
| Category                 | RF/IF and RFID<br><a href="#">RF Transceiver ICs</a>     |
| Package                  | 48-VFQFN Exposed Pad                                     |
| Series                   | Blue Gecko   |
| Type                     | TxRx + MCU   |
| RF Family/Standard       | Bluetooth  |
| Protocol                 | Bluetooth v4.0   |
| Modulation               | 2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, O-QPSK |
| Frequency                | 2.4GHz   |
| Data Rate (Max)          | 2Mbps  |
| Power - Output           | 10dBm  |
| Sensitivity              | -102dBm  |
| Memory Size              | 1024kB Flash, 128kB RAM                                  |
| Serial Interfaces        | I2C, I2S, SPI, UART                                      |
| GPIO                     | 31   |
| Voltage - Supply         | 1.8 V ~ 3.8 V  |
| Current - Receiving      | 8mA ~ 10.8mA   |
| Current - Transmitting   | 8.2mA ~ 126.7mA  |
| Operating Temperature    | -40°C ~ 85°C   |
| Package / Case           | 48-VFQFN Exposed Pad                                     |

[Report errors?](#)

## EFR32BG12P232F1024GM48-B 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.

## EFR32BG12P232F1024GM48-B Payment Methods



## EFR32BG12P232F1024GM48-B Shipping Methods



If you have any question about EFR32BG12P232F1024GM48-B, please do not hesitate to contact us!

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

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