



Energy Micro (Silicon Labs)

### EFR32MG1V132F256GM32-B0

Part Number:	EFR32MG1V132F256GM32-B0
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description:	IC MCU 32BIT 256KB 32QFN
Datasheets:	<a href="#">PDF EFR32MG1V132F256GM32-B0.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

#### Specifications of EFR32MG1V132F256GM32-B0

PART NUMBER	EFR32MG1V132F256GM32-B0
MANUFACTURER	Energy Micro (Silicon Labs)
DESCRIPTION	IC MCU 32BIT 256KB 32QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">PDF EFR32MG1V132F256GM32-B0.pdf</a>
VOLTAGE - SUPPLY	3.3V
TYPE	TxRx + MCU
SERIES	Mighty Gecko
SERIAL INTERFACES	I <sup>2</sup> C, I <sup>2</sup> S, SPI, UART
SENSITIVITY	-99dBm
RF FAMILY/STANDARD	802.15.4, Bluetooth
PROTOCOL	Bluetooth v4.0, Zigbee®
POWER - OUTPUT	19.5dBm
PACKAGING	Tray
PACKAGE / CASE	32-VFQFN Exposed Pad
OTHER NAMES	336-3471
OPERATING TEMPERATURE	-40°C ~ 85°C
MOISTURE SENSITIVITY LEVEL (MSL)	2 (1 Year)
MODULATION	DSSS, O-QPSK, GFSK
MEMORY SIZE	256kB Flash, 32kB RAM
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
GPIO	31
FREQUENCY	2.4GHz
DETAILED DESCRIPTION	IC RF TxRx + MCU 802.15.4, Bluetooth Bluetooth v4.0, Zigbee® 2.4GHz 32-VFQFN Exposed Pad
DATA RATE (MAX)	1Mbps
CURRENT - TRANSMITTING	8.2mA
CURRENT - RECEIVING	8.6mA ~ 9.1mA

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<p><b>EFR32MG1P233F256IM48-C0</b> Manufacturers: Energy Micro (Silicon Labs) Description: MIGHTY GECKO MESH MULTI-PROTOCOL In stock: Out stock</p> <p><a href="#">RFQ</a></p>	<p><b>EFR32MG1P632F256GM32-C0</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC TXRX+MCU 802.15.4/BLE 32QFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>
<p><b>EFR32MG1V132F256GM32-C0</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 32BIT 256KB FLASH 32QFN In stock: 295 pcs</p> <p><a href="#">RFQ</a></p>	<p><b>EFR32MG1P732F256GM32-C0R</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC TXRX+MCU 802.15.4/BLE 32QFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>
<p><b>EFR32MG1V132F256GM32-C0R</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC RF TXRX+MCU 802.15.4 32-QFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>	<p><b>EFR32MG1P233F256IM48-C0R</b> Manufacturers: Energy Micro (Silicon Labs) Description: MIGHTY GECKO MESH MULTI-PROTOCOL In stock: Out stock</p> <p><a href="#">RFQ</a></p>
<p><b>EFR32MG1V132F256GM48-C0</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 32BIT 256KB FLASH 48QFN In stock: 535 pcs</p> <p><a href="#">RFQ</a></p>	<p><b>EFR32MG1P632F256GM32-C0R</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC TXRX+MCU 802.15.4/BLE 32QFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>
<p><b>EFR32MG1V132F256GM48-B0</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 32BIT 256KB 48QFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>	<p><b>EFR32MG1V132F256GM32-B0R</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 32BIT 256KB 32QFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>
<p><b>EFR32MG1P732F256GM32-C0</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC TXRX+MCU 802.15.4/BLE 32QFN In stock: 457 pcs</p> <p><a href="#">RFQ</a></p>	<p><b>EFR32MG1V132F256GM48-B0R</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 32BIT 256KB 48QFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>