

**EM3596-RTR Information**


For Reference Only

**Part Number** [EM3596-RTR](#)  
**Manufacturer** Silicon Labs  
**Category** RF/IF and RFID  
[RF Transceiver ICs](#)  
**Description** IC RF TXRX+MCU 802.15.4 56-VFQFN  
**Package** 56-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.


**EM3596-RTR Specifications**

Manufacturer Part Number	<a href="#">EM3596-RTR</a>
Manufacturer	Silicon Labs
Category	RF/IF and RFID <a href="#">RF Transceiver ICs</a>
Package	56-VFQFN Exposed Pad
Series	-
Type	TxRx + MCU
RF Family/Standard	802.15.4
Protocol	Zigbee?
Modulation	O-QPSK
Frequency	2.4GHz
Data Rate (Max)	12Mbps
Power - Output	8dBm
Sensitivity	-102dBm
Memory Size	512kB Flash, 32kB RAM
Serial Interfaces	I2C, JTAG, SPI, UART, USB
GPIO	32
Voltage - Supply	2.1 V ~ 3.6 V
Current - Receiving	23.5mA ~ 29.5mA
Current - Transmitting	24mA ~ 44mA
Operating Temperature	-40°C ~ 85°C
Package / Case	56-VFQFN Exposed Pad

[Report errors?](#)

## EM3596-RTR 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.

## EM3596-RTR Payment Methods



## EM3596-RTR Shipping Methods



If you have any question about EM3596-RTR, please do not hesitate to contact us!

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