



The eRIC radio transceiver further extends the proven easyRadio product line by offering a low cost RF transceiver intended for high volume applications.

Operating frequency, bandwidth, power output and data rate can (optionally) be configured using the 'easyRadio Companion' software allowing multiple devices to communicate free from interference with each other and other RF devices.

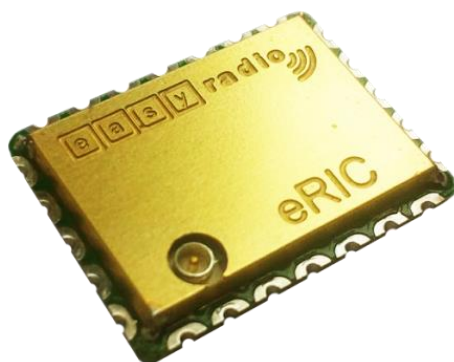
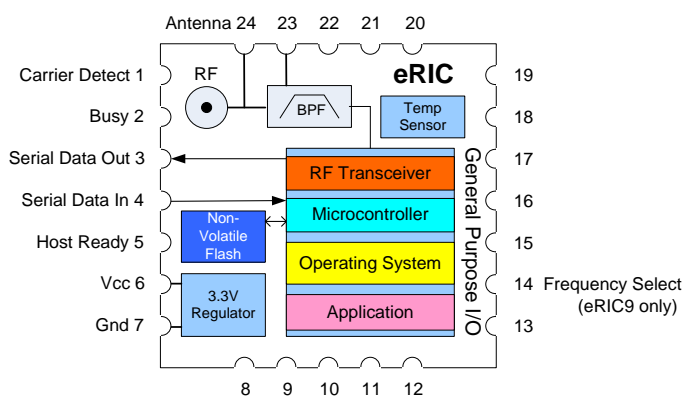
Features

- Embedded 'easyRadio' Protocol
- ISM Frequency Bands
- Radio Compliance
- Small 15x20x2.2mm Surface Mount Device (SMD)
- Low power operation capable
- eROS Operating System and Application Partitions
- Configurable & programmable User I/O

- AES 128 bit data encryption option
- Built in Temperature Sensor

Benefits

Simple serial data in/data out user interface and configuration
433 & 868MHz (UK & Europe), 315 & 915MHz (USA)
Meets ETSI (Europe) & FCC (USA) requirements
Simplifies product manufacture
Battery powered applications
Can eliminate need for external application processor
Minimises external hardware requirements for custom applications
Secure communications
Environment monitor

**Product Photo****Block Diagram**

Parameter	Specification *
Modulation & mode	FSK wideband, Half Duplex
Operating Supply Voltage	2.4 to 6.0V
Receive supply current	15 mA continuous
Transmit supply current	32 mA
Receive Sensitivity (Typ)	-111 dBm at 1.2kbps datarate
Transmit RF Output Power	+10 dBm (Configurable)
Antenna (UFL & solder pad)	50 Ω
Host Data Rate	19.2 Kbps (Configurable)
Packet Size	Up to 250 Bytes
Operating temperature range	-10 to +70°C
*Specifications are subject to change without notice	

Please contact Sales office for further information and product availability.