

Product Overview



eRIC Family

Interchangeable ISM / LPWAN radio modules



Introducing the eRIC (easyRadio Integrated Controller) series from LPRS, a family of low power license-free radio modules.



Sharing the same pin-out and surface mount layout, eRIC enables engineers to design once and benefit from the interchangeable integration of easyRadio point to point / point to multi-point, Sigfox and LoRa™ radio technologies.



Compact measuring just 15mm x 20mm x 2.2mm, eRIC is designed for Low Power Wide Area Network (LPWAN) & ISM (Industrial, Scientific & Medical) radio applications requiring reliable and secure wireless communications.



By adopting the eRIC family within a product, OEM's have the ability to quickly produce multiple technology variants without any hardware design changes. Whether it be a standalone sensor using the Sigfox network, or a campus deployment using a self-deployed LoRa™ network, eRIC offers a robust and scalable platform for OEM's to base their products around.

All modules are fully type approved for quick, easy and efficient product development.



Visit www.lprs.co.uk for more information

Category	Feature	Specification
Wireless Type	eROS Point-to-Point	eRIC4 (433MHz Europe)
	eROS Point-to-Point	eRIC9 (868MHz Europe / 915MHz - USA)
	SIGFOX Network	eRIC-SIGFOX (868MHz – Europe)
	LoRa Point-to-Point	eRIC-LoRa (868MHz – Europe)
	LoRaWAN Network	eRIC-LoRaWAN (868MHz – Europe)
Electrical	Supply Voltage	2.5V - 5.0V
	TX Current @ + 10dBm	32mA
	RX Current	15mA
	Sleep Current	1.8uA
	Max Output Power	Up-to +20 dBm
Radio	Receive Sensitivity	-126 dBm (Sigfox) ~ -109dBm (eROS)
Physical	Size	15mm x 20mm x 2.2mm
	Weight	1.5 grams
Environmental	Op. Temp	-40 to +85 Deg C
	Storage Temp	-40 to +85 Deg C
Regulatory	Approvals	FCC / IC / CE / RED

Ordering information

Module	Description	Type	Pack Size
eRIC4	433MHz	Module	240 pieces
eRIC9	868/915MHz	Module	240 pieces
eRIC-SIGFOX	868.2MHz	Module	240 pieces
eRIC-LoRa	868MHz	Module	240 pieces
eRIC-LoRaWAN	868MHz	Module	240 pieces

Dev Kit	For	Type
eR-EVK-01	eRIC4/9/LoRa	Eval kit
eRIC-DK	eRIC-SIGFOX	Eval kit

Contact LPRS for more information:



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