

Miniature 869 MHz Wireless Modem

For the ultimate solution in design flexibility and cost/size sensitive applications, consider the Pico Series P869 radio platform. Offering robust and secure operation in the 869 MHz Band, the P869 provides an economical solution with the design flexibility, features, and performance never seen before!

869 MHz

25KHz x 10 Channels

250kHz Single Channel

Extended Temperature

Dual Serial Ports

Excellent Sensitivity

Weights only 5 grams!



1.3" X 1.05" X 0.13"

Features

- Supports up to 172.8 kbps
- Software Selectable 10 Channel (25kHz) or Single Channel Operation
- Quad Filter Stage provides Extreme Noise & Interference Rejection
- Point-to-Point, Point-to-Multipoint, Store & Forward Repeater
- Industrial Temperature (-55°C to +85°C)
- Maximum allowable transit power (Adjustable)
- Low Power consumption in Sleep and Sniff modes (Future)
- 32 bits of CRC, selectable Forward Error Correction with retransmission
- Separate diagnostics port—transparent remote diagnosis and online network control
- Extremely Small Footprint (26.5 x 33 x 3.5mm | 1.3 x 1.05 x 0.15")

Enclosed Option



Pico Series

Specifications

Spreading Method / Modulation Scheme		Frequency 869.5 to 869.75 MHz				
Channel Bandwidth		Rate (kbps)	Power (mW)	Sensitivity (dBm)	Bandwidth (kHz)	Regulatory
Forward Error Correction		19.2	500	-116	25	CE Pending
Error Detection		56	500	-113	250	CE Pending
Encryption		115.2	500	-109	250	CE Pending
Range		172.8	500	-108	250	CE Pending
Order Options						
Serial Interface		P869 869 MHz Pico OEM Wireless Modem				
Serial Baud Rate		-AES 128-bit AES Encryption. Required Export Permit.				
Operating Modes		-ENC Enclosed Model				
Signals Interface						
Remote Diagnostics						
Rejection						
Core Voltage						
Power Consumption (3.3V)						
Connectors:						
Environmental						
Weight						
Dimensions						
Approvals						

Contact Information

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