

Miniature 1W 865 - 867 MHz Wireless Modem

For the ultimate solution in design flexibility and cost/size sensitive applications, consider the Pico Series P866 radio platform. Offering robust frequency hopping technology in the 865 - 867 MHz, the P866 provides an economical solution with the design flexibility, features, and performance never seen before!

865 - 867 MHz

Up to 345 kbps

Up to 1 Watt

Extended Temperature

Dual Serial Ports

Excellent Sensitivity



Weights only 5 grams!

1.3" X 1.05" X 0.13"

P866 Features

- Supports up 9.6 - 345 kbps
- 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
- 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

Frequency	865 - 867 MHz Frequency Hopping		Frequency 865 to 867 MHz (Frequency Hopping)			
Forward Error Correction	Hamming, BCH, Golay, Reed-Solomon, Viterbi		Rate (kbps)	Power	Sensitivity (dBm)	Bandwidth (kHz)
Error Detection	32 bits of CRC, ARQ		9.6	1W	-120	12.5
Encryption	Optional (see –AES option)		19.2	1W	-116	25
Range	60 miles (100 km)		56	1W	-113	60
Serial Interface	3.3V CMOS RS232/485 (Selectable)		115.2	1W	-109	150
Serial Baud Rate	300 bps to 230 kbps		172.8	1W	-108	180
Operating Modes	Point-to-Point, Point-to-Multipoint, Store & Forward Repeater, Peer-to-Peer		230.4	1W	-106	230
Signals Interface	RSSI LEDs, Tx/Rx LEDs, Reset, Config, Wake-up, RSmode, 4 Digital Inputs/Outputs, 1 Analog Input, 1 Analog Output		276.4	1W	-105	230
Remote Diagnostics	Battery Voltage, Temperature, RSSI, Packet Statistics		345	1W	-103	400
Core Voltage	OEM Enclosed	3.3VDC 9-30 VDC	Order Options Model P866			
Power Consumption (3.3V)	Sleep: < 1mA Idle: 20mA Rx: 45mA to 98mA Tx Peak: 2A					
Connectors:	OEM Enclosed	Antenna: UFL Data: 80 Pin SMT Antenna: RP-SMA Female Bulkhead Data: DB9-F				
Environmental	-55°C - +85°C 5-95% humidity, non-condensing					
Weight	OEM Enclosed	Approx. 5 grams Approx. 120 grams				
Dimensions	OEM Enclosed	Approx. 1.05" x 1.3" x .13" (26.5mm x 33mm x 3.5mm) Approx. 1.80" x 2.60" x 1.0" (46mm x 66mm x 25mm)				
Approvals	Pending					

Contact Information

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